

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000878.D
 Acq On : 18 Oct 2019 16:13
 Operator : JU
 Sample : K5152-06DL 20X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 18 16:57:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 16:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	148444	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	560571	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	314336	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	578494	20.00	ng	0.00
76) Chrysene-d12	13.96	240	499525	20.00	ng	0.00
87) Perylene-d12	15.44	264	585475	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.37	112	41214	4.46	ng	0.00
7) Phenol-d6	6.39	99	59082	5.31	ng	0.00
23) Nitrobenzene-d5	7.30	82	31140	3.39	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	16673	4.98	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	83848	4.32	ng	0.00
79) Terphenyl-d14	12.89	244	102525	4.16	ng	0.00

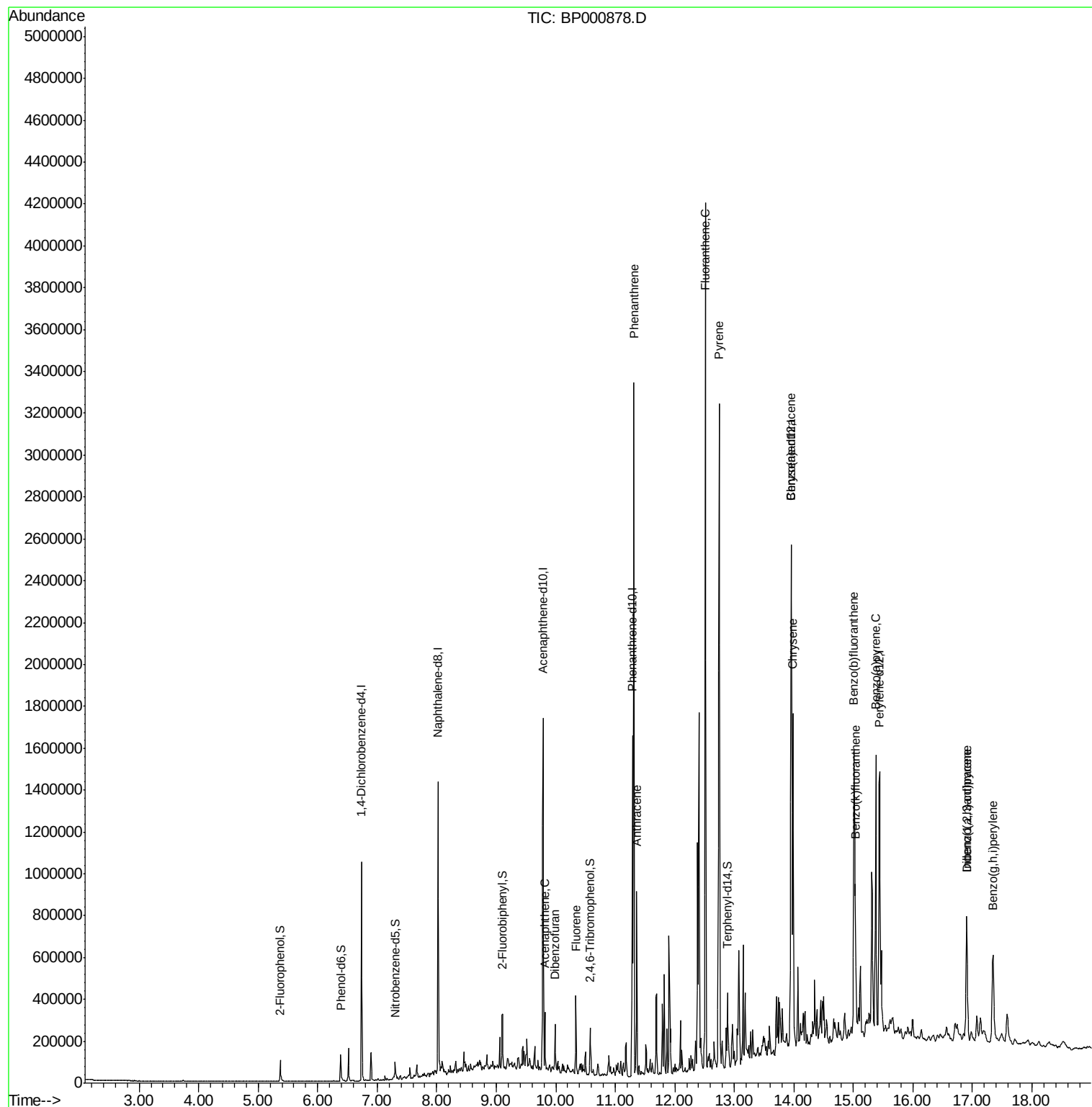
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
52) Acenaphthene	9.82	154	54775	3.262	ng	99
55) Dibenzofuran	9.99	168	65358	2.604	ng	95
58) Fluorene	10.34	166	104774	5.857	ng	99
71) Phenanthrene	11.31	178	1133646	39.019	ng	100
72) Anthracene	11.36	178	355175	12.329	ng	99
75) Fluoranthene	12.52	202	1559213	47.784	ng	99
78) Pyrene	12.75	202	1279135	37.128	ng	100
81) Benzo(a)anthracene	13.95	228	729795	23.945	ng	98
83) Chrysene	13.99	228	560583	18.740	ng	98
86) Indeno(1,2,3-cd)pyrene	16.90	276	369812	9.897	ng	96
88) Benzo(b)fluoranthene	15.01	252	768915m	23.149	ng	
89) Benzo(k)fluoranthene	15.04	252	269982m	8.538	ng	
90) Benzo(a)pyrene	15.37	252	566996	18.312	ng	97
91) Dibenzo(a,h)anthracene	16.91	278	95087m	3.166	ng	
92) Benzo(a,h,i)perylene	17.34	276	348007	11.404	ng	99

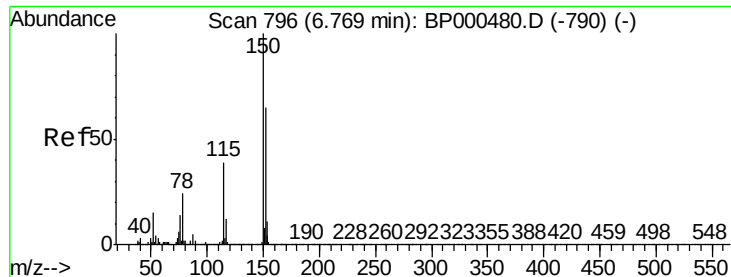
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000878.D
Acq On : 18 Oct 2019 16:13
Operator : JU
Sample : K5152-06DL 20X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Oct 18 16:57:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 16:40:44 2019
Response via : Initial Calibration



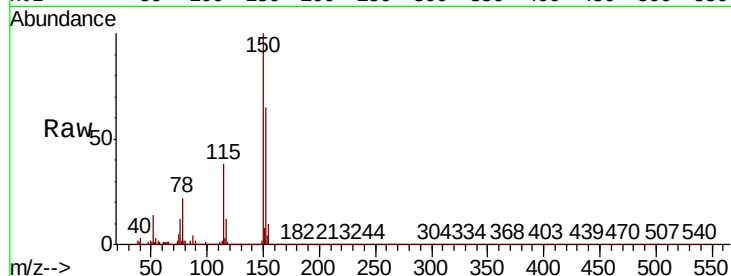


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.8	185.8
115	58.2	46.8	70.2

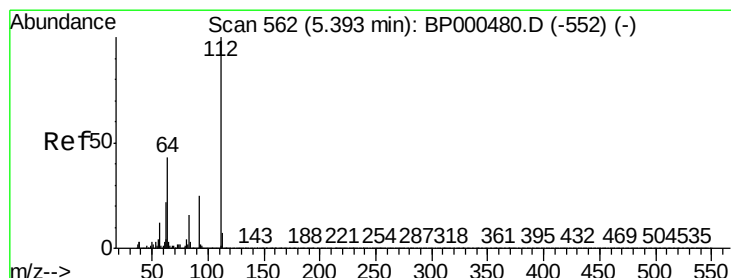
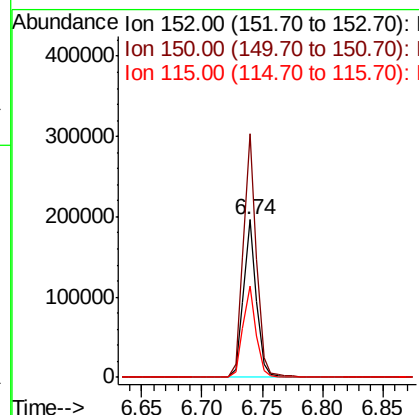
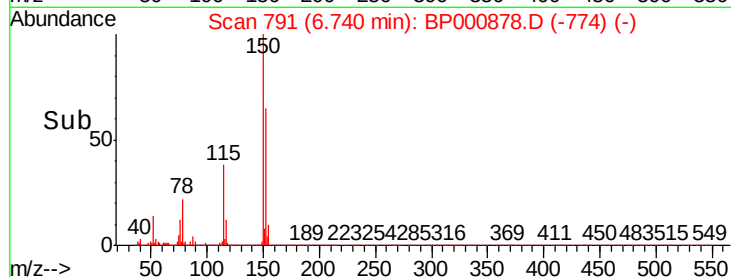


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

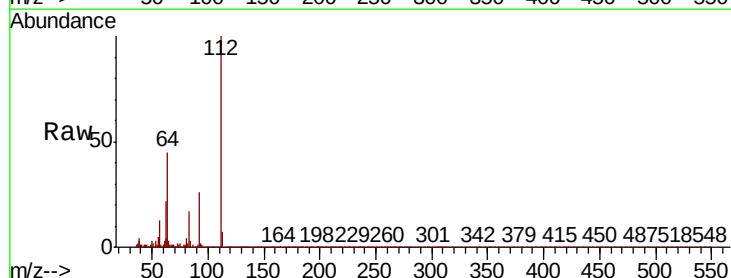
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 4.463 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.01 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.2	33.9	50.9
63	22.1	17.4	26.0

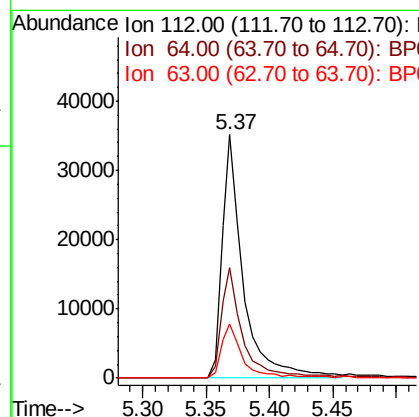
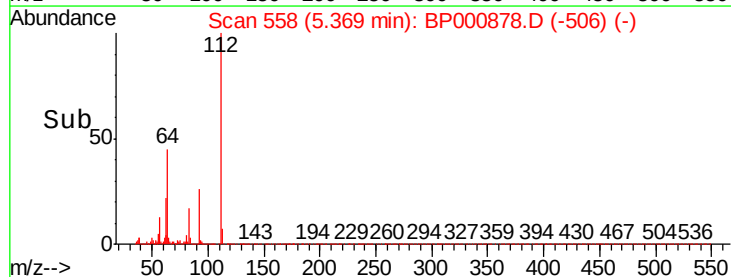


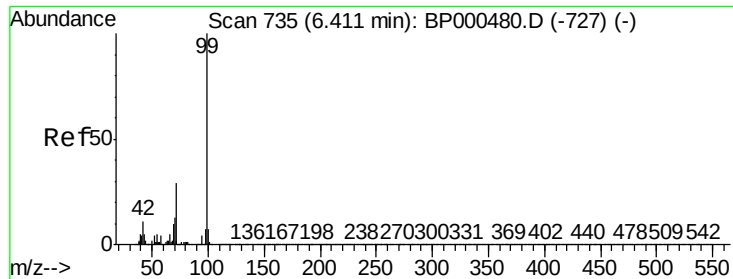
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 5.309 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Instrument :

BNA_P

ClientSampleId :

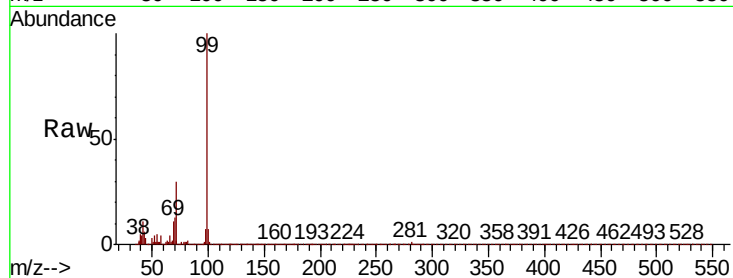
Tot Ion: 99 Resp: 59082

Ion Ratio Lower Upper

99 100

42 11.0 8.7 13.1

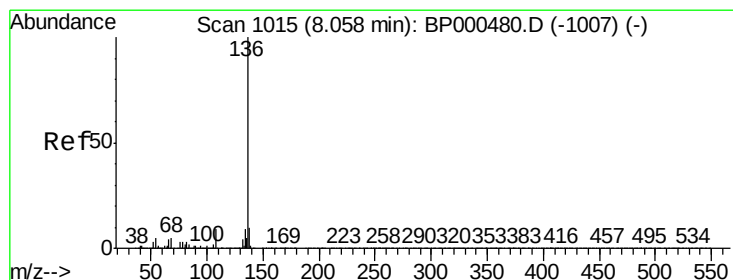
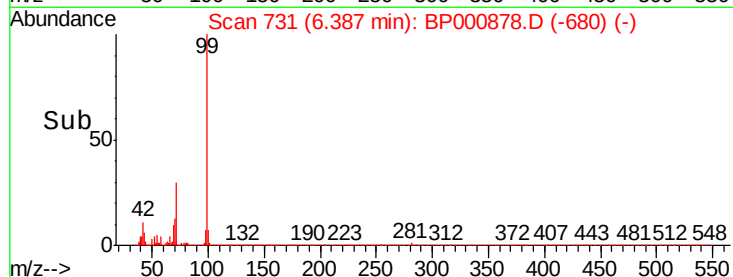
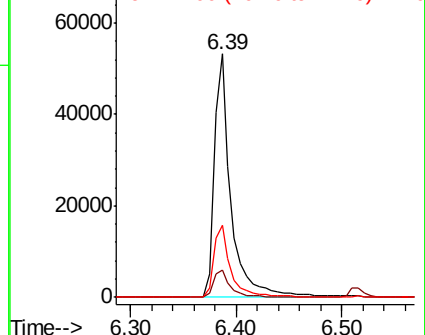
71 29.7 24.1 36.1



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Tgt Ion: 136 Resp: 560571

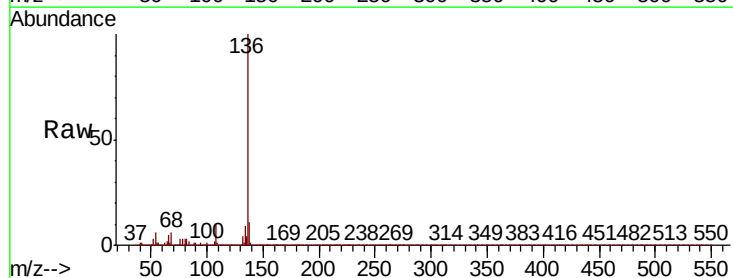
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 5.6 4.6 6.8

68 5.5 4.4 6.6

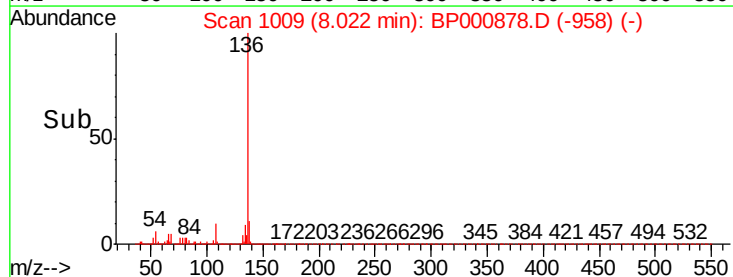
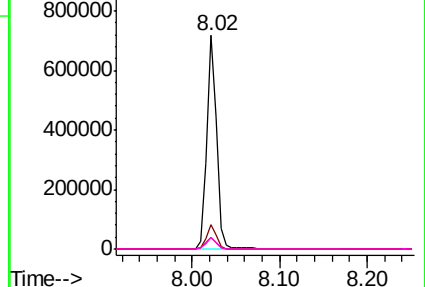


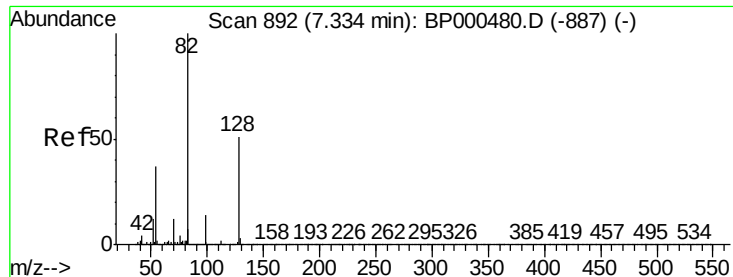
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0

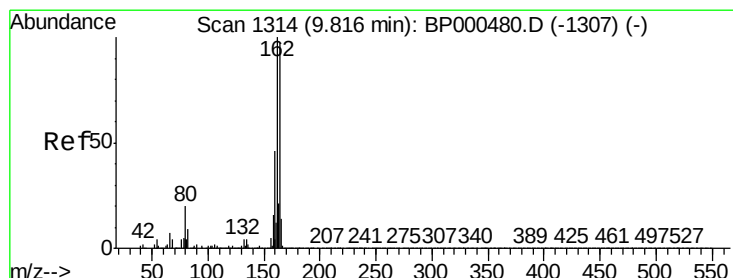
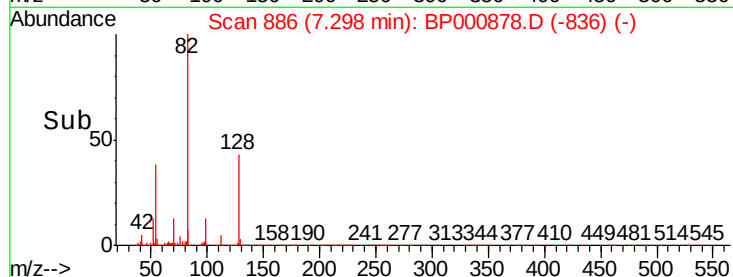
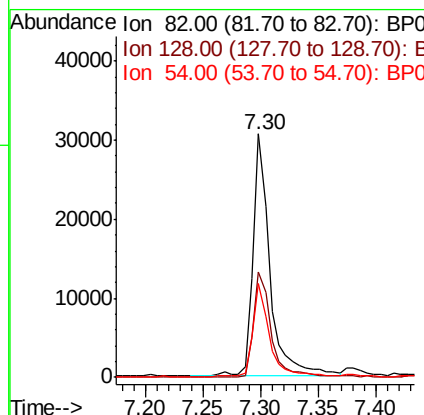
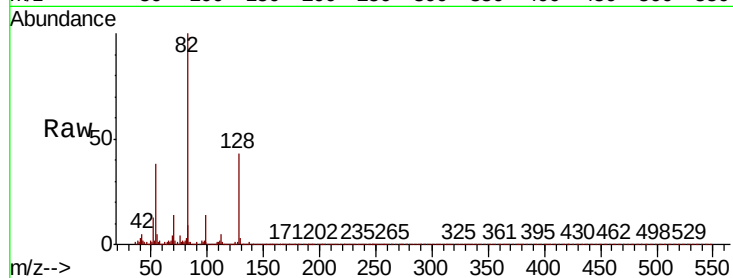




#23
 Nitrobenzene-d5
 Concen: 3.393 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BP000878.D
 Acq: 18 Oct 2019 16:13

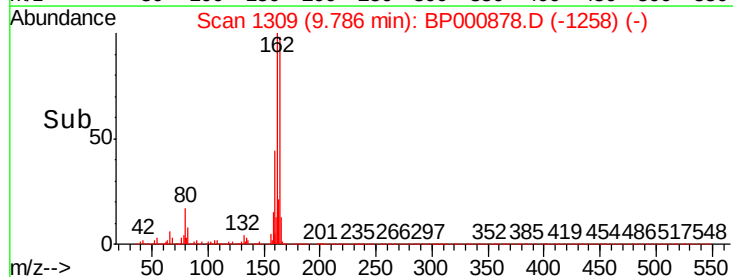
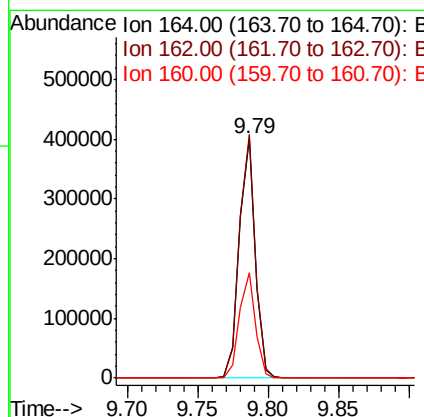
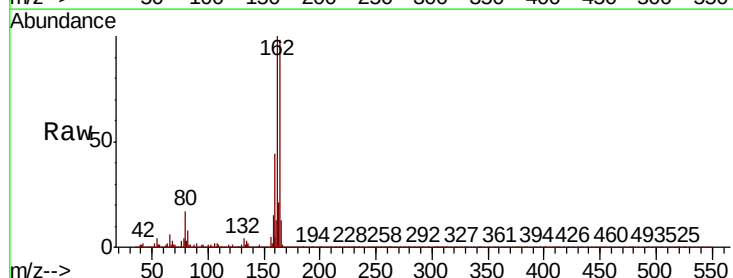
Instrument :
 BNA_P
 ClientSampleId :

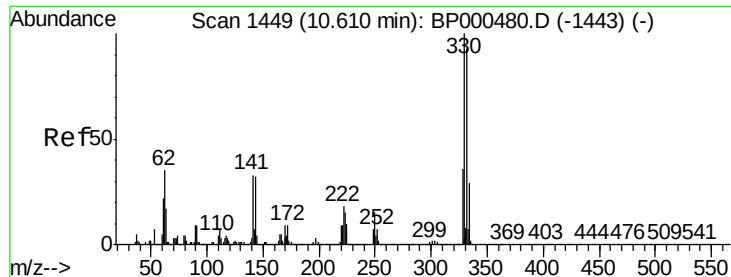
Tot Ion	82	Resp	31140
Ion Ratio	Lower	Upper	
82	100		
128	43.4	41.2	61.8
54	38.4	30.6	45.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: BP000878.D
 Acq: 18 Oct 2019 16:13

Tgt Ion	164	Resp	314336
Ion Ratio	Lower	Upper	
164	100		
162	101.6	80.6	121.0
160	44.2	35.4	53.2

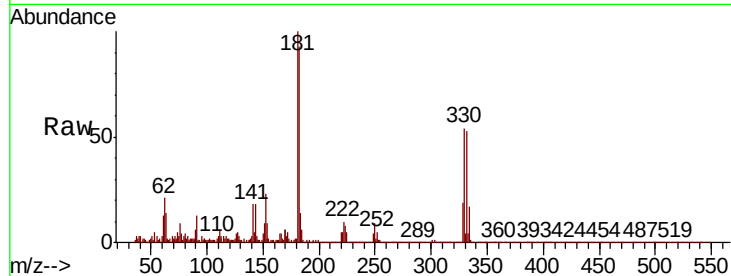




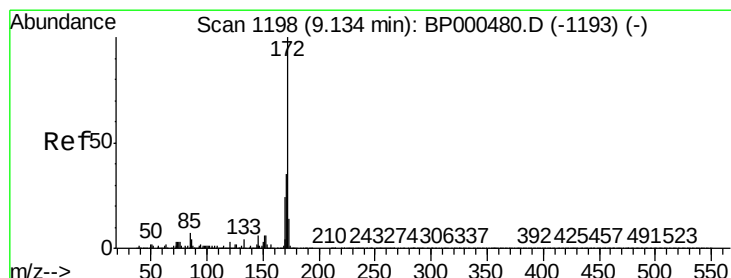
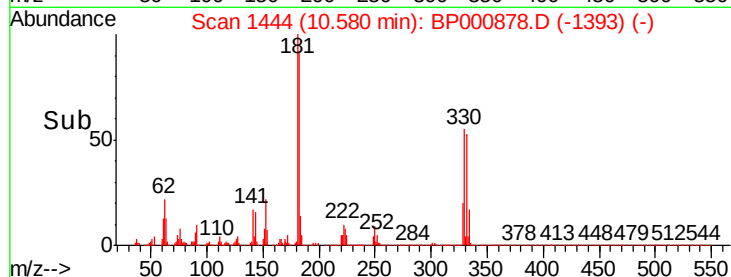
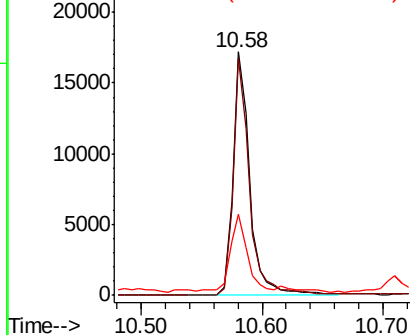
#42
2,4,6-Tribromophenol
Concen: 4.978 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion:330 Resp: 16673
Ion Ratio Lower Upper
330 100
332 95.1 78.2 117.4
141 29.5 23.7 35.5

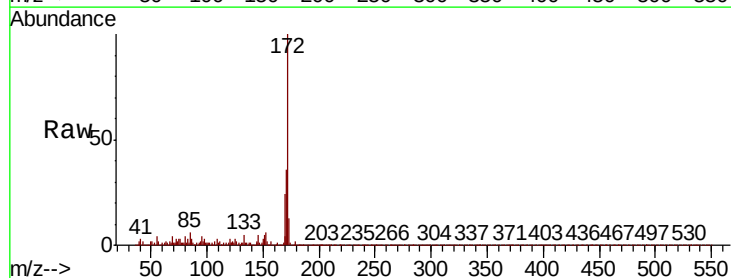


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

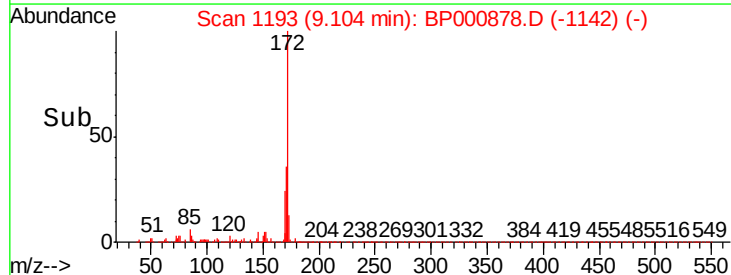
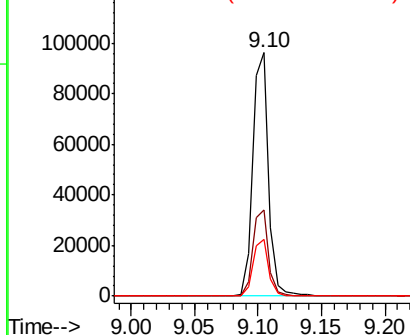


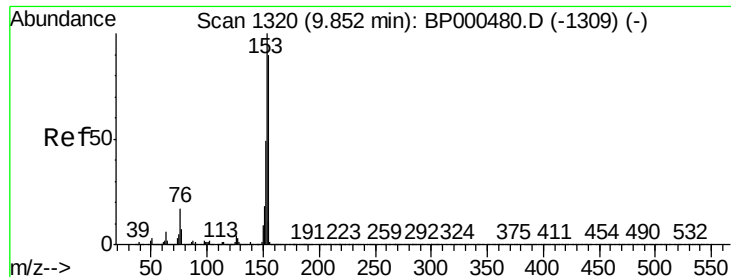
#45
2-Fluorobiphenyl
Concen: 4.316 ng
RT: 9.10 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Tgt Ion:172 Resp: 83848
Ion Ratio Lower Upper
172 100
171 35.6 29.0 43.4
170 23.6 19.3 28.9



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#52

Acenaphthene

Concen: 3.262 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Instrument :

BNA_P

ClientSampleId :

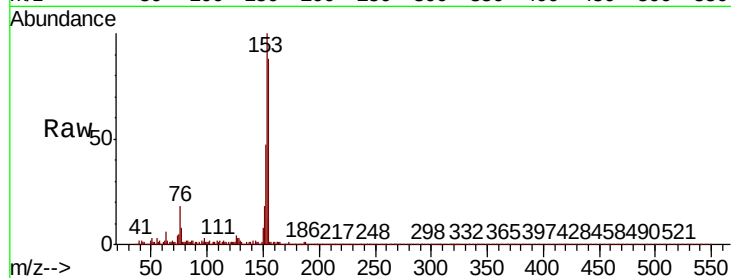
Tot Ion:154 Resp: 54775

Ion Ratio Lower Upper

154 100

153 114.0 90.4 135.6

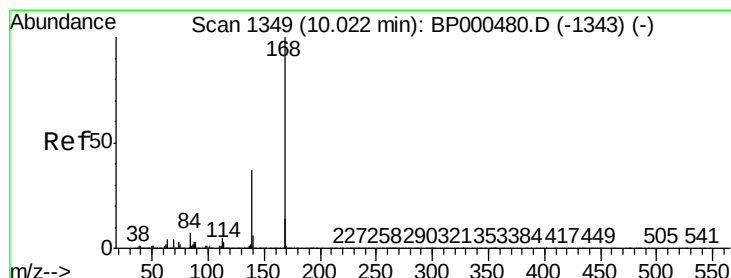
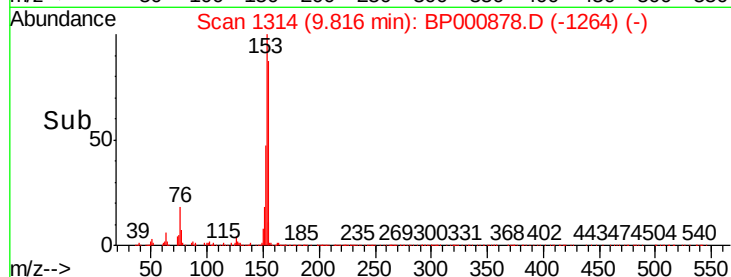
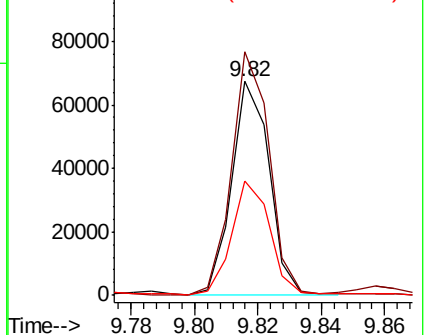
152 53.8 42.5 63.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.604 ng

RT: 9.99 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

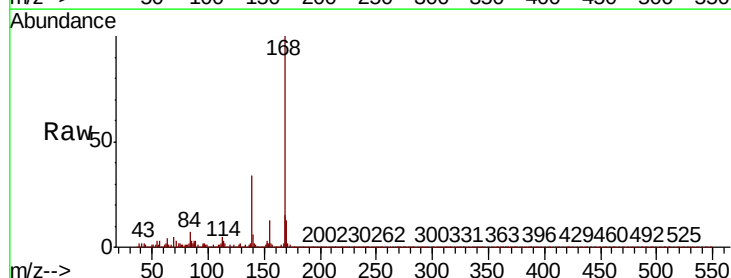
Tgt Ion:168 Resp: 65358

Ion Ratio Lower Upper

168 100

139 34.2 29.8 44.6

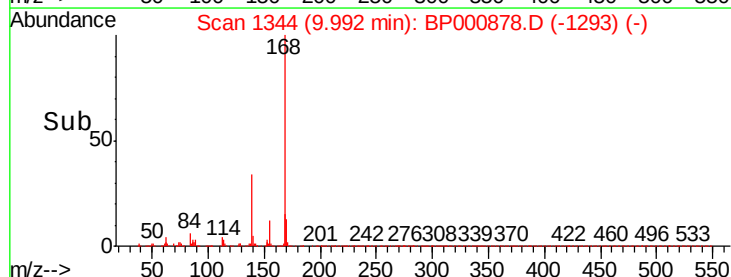
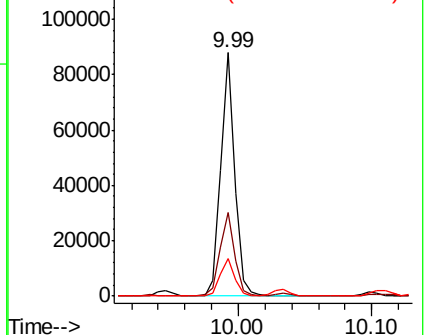
169 15.3 10.9 16.3

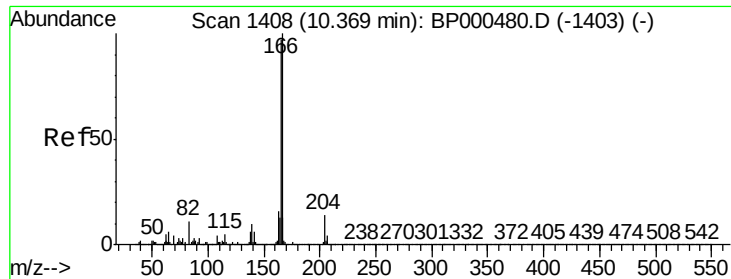


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

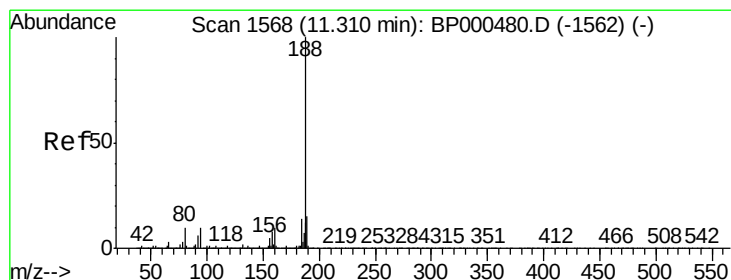
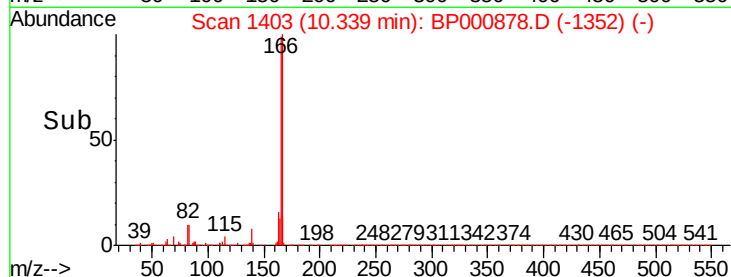
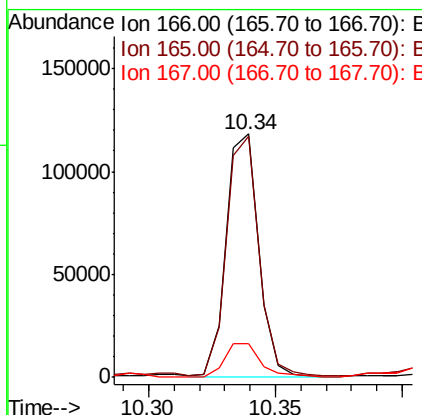
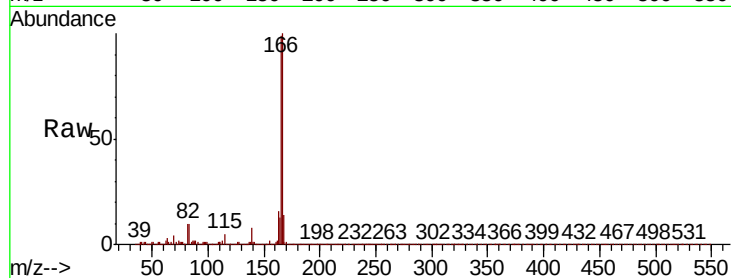




#58
 Fluorene
 Concen: 5.857 ng
 RT: 10.34 min Scan# 1403
 Delta R.T. -0.00 min
 Lab File: BP000878.D
 Acq: 18 Oct 2019 16:13

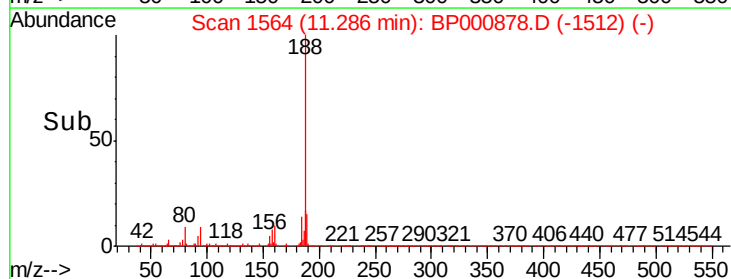
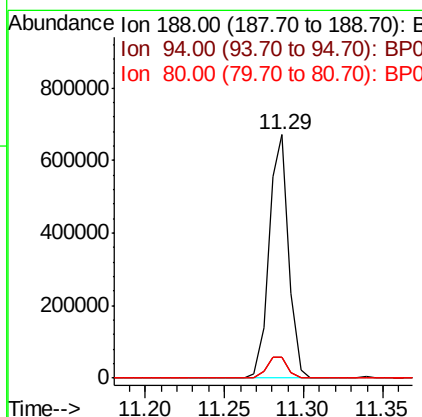
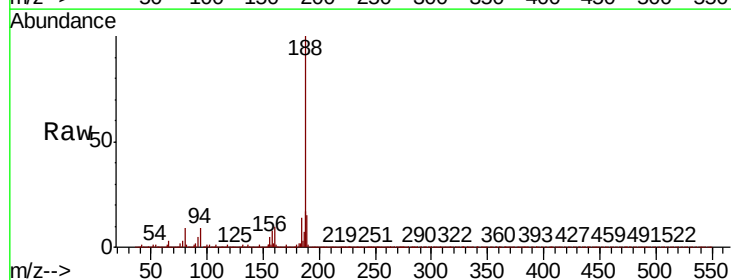
Instrument :
 BNA_P
 ClientSampleId :

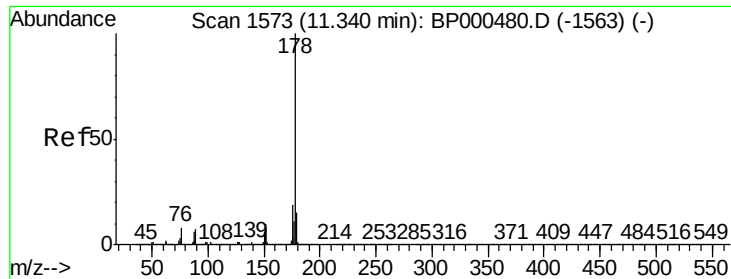
Tot Ion:166 Resp: 104774
 Ion Ratio Lower Upper
 166 100
 165 98.8 78.4 117.6
 167 14.0 10.6 15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: BP000878.D
 Acq: 18 Oct 2019 16:13

Tgt Ion:188 Resp: 578494
 Ion Ratio Lower Upper
 188 100
 94 8.6 8.0 12.0
 80 8.5 8.2 12.4

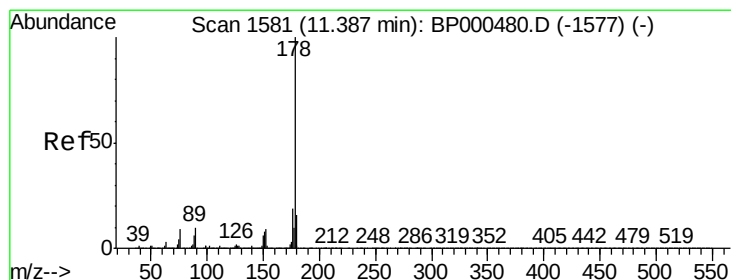
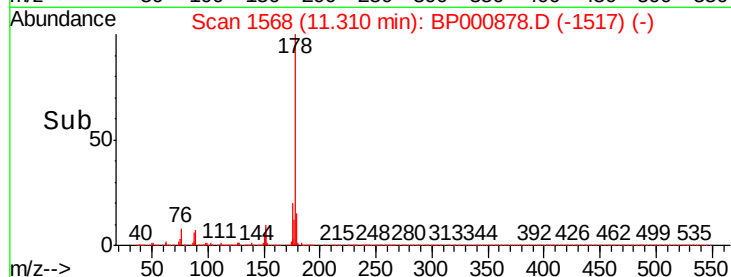
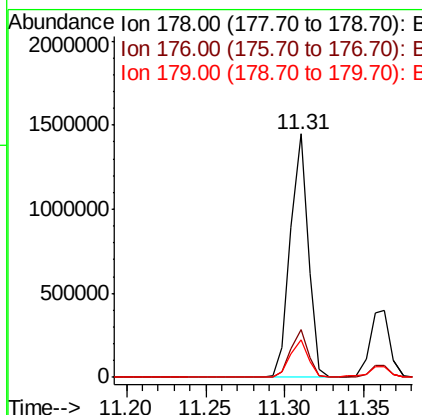
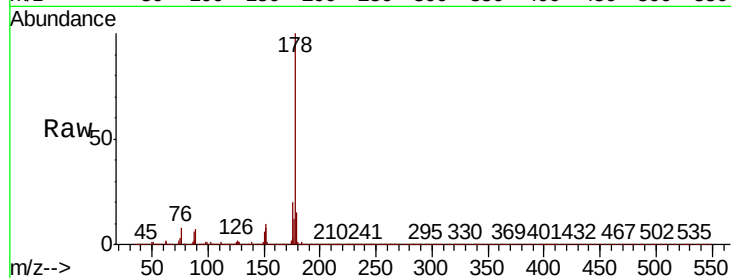




#71
Phenanthrene
Concen: 39.019 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

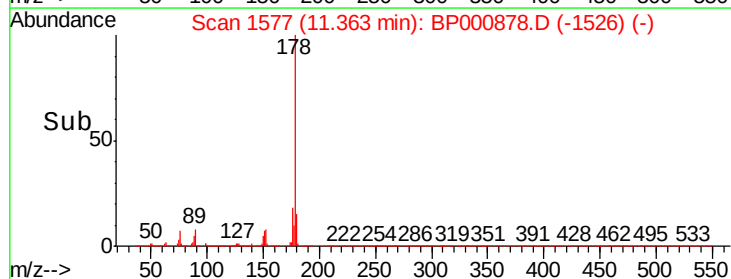
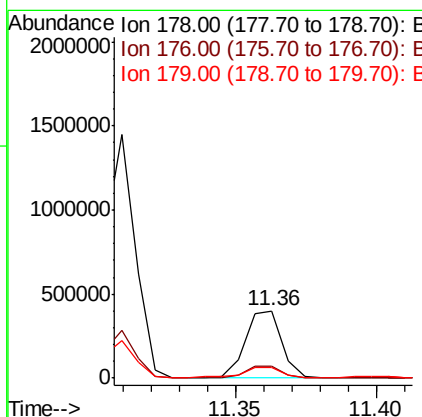
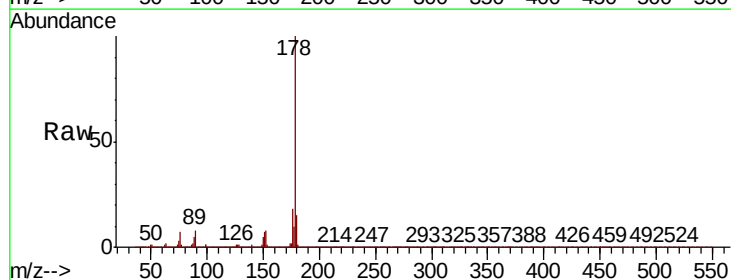
Instrument :
BNA_P
ClientSampleId :

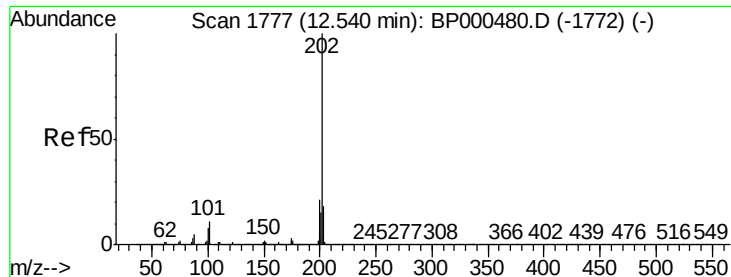
Tot Ion:178 Resp: 1133646
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.4 12.5 18.7



#72
Anthracene
Concen: 12.329 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Tgt Ion:178 Resp: 355175
Ion Ratio Lower Upper
178 100
176 18.2 14.8 22.2
179 15.1 12.3 18.5





#75

Fluoranthene

Concen: 47.784 ng

RT: 12.52 min Scan# 1773

Delta R.T. 0.01 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

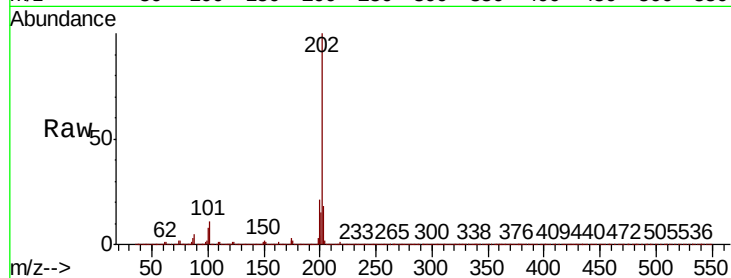
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 1559213

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.6
203	17.7	0.0	38.0

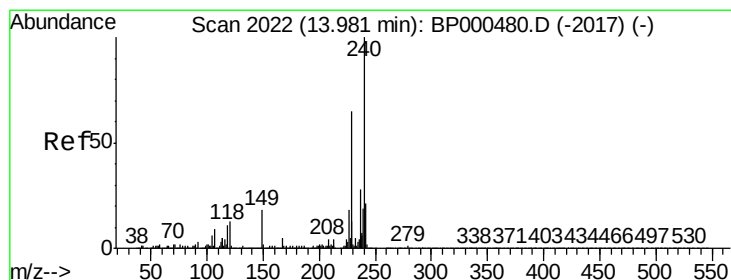
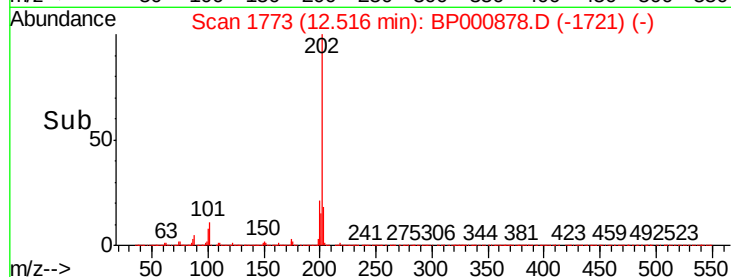
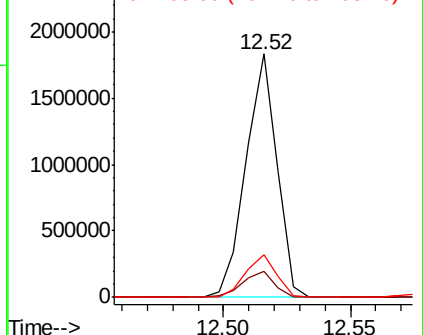


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

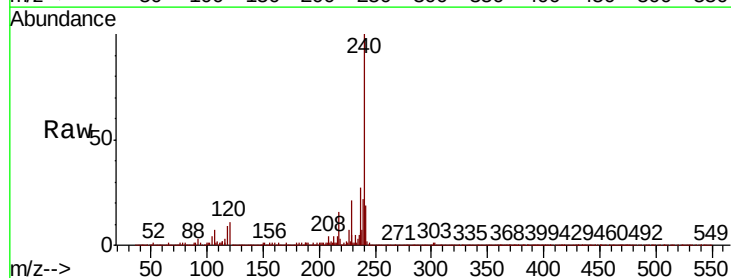
Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Tgt Ion:240 Resp: 499525

Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.3	10.9
236	26.5	21.2	31.8

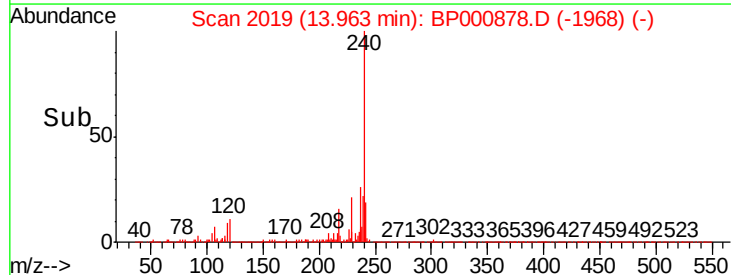
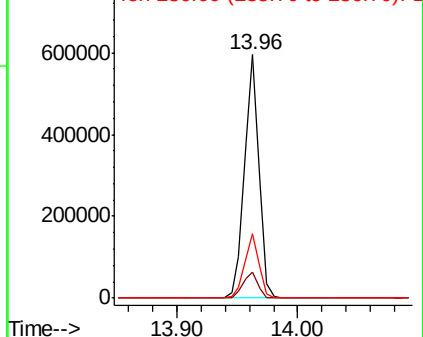


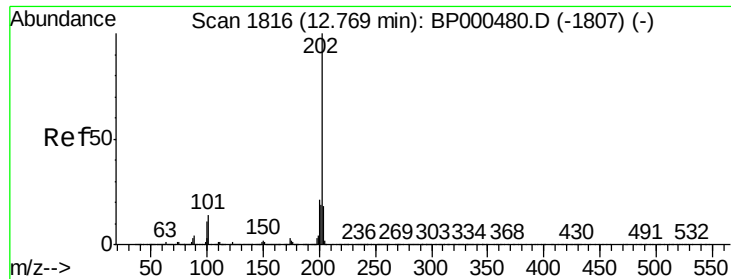
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 37.128 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Instrument :

BNA_P

ClientSampleId :

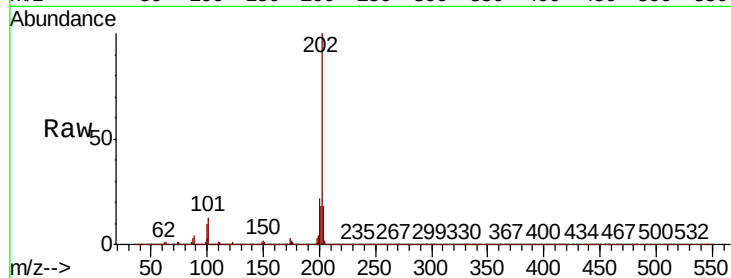
Tot Ion:202 Resp: 1279135

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.0

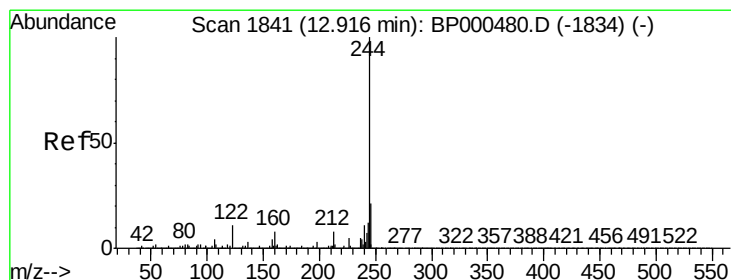
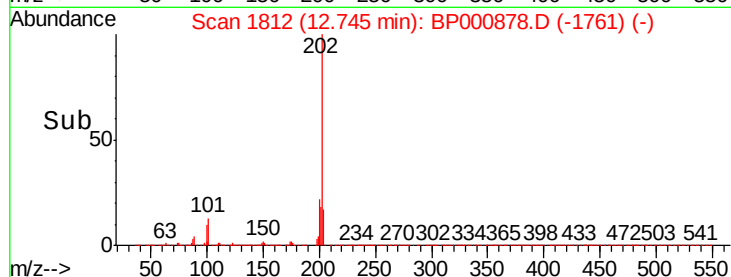
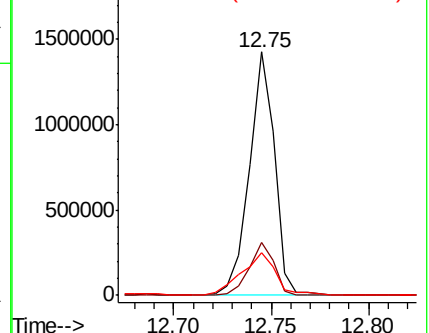
203 17.7 14.1 21.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 4.156 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

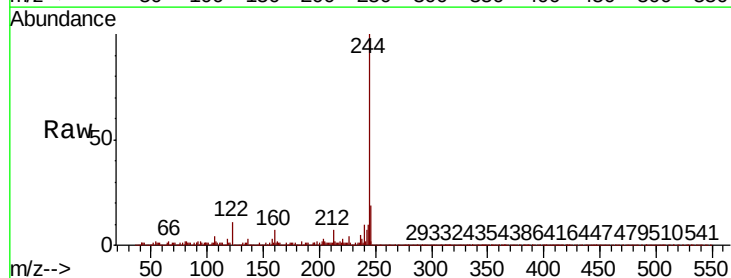
Tgt Ion:244 Resp: 102525

Ion Ratio Lower Upper

244 100

212 6.9 5.5 8.3

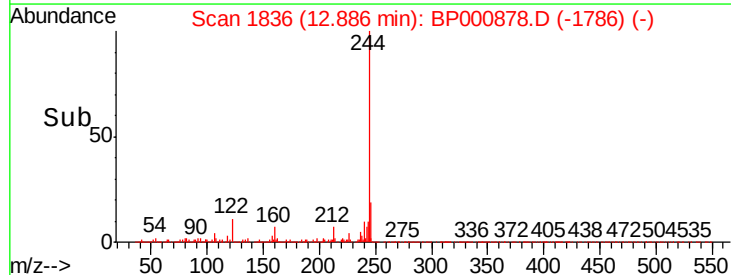
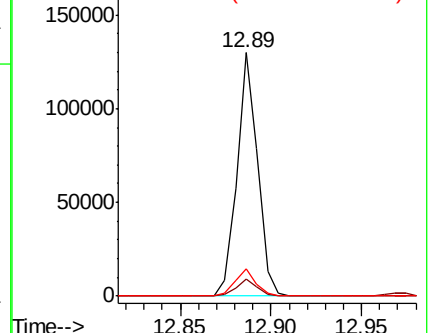
122 11.0 7.1 10.7#

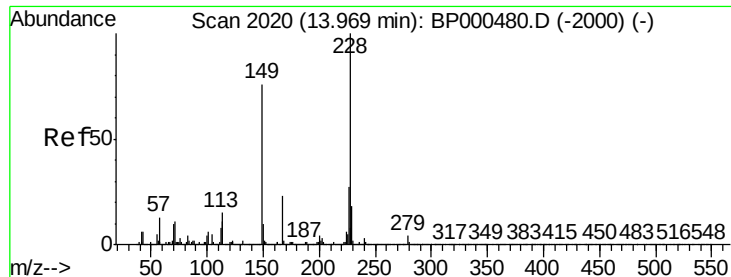


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 23.945 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Instrument :

BNA_P

ClientSampleId :

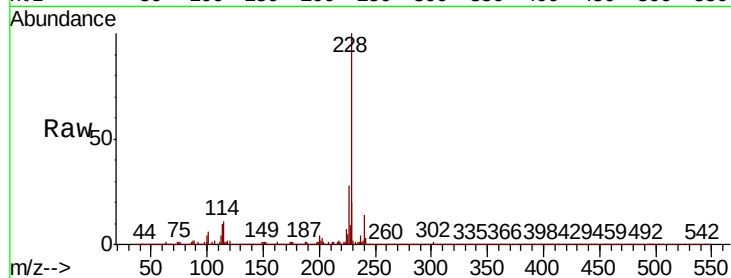
Tot Ion:228 Resp: 729795

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 20.3 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

1000000

800000

600000

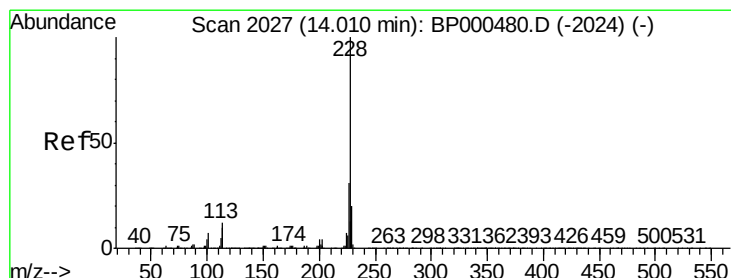
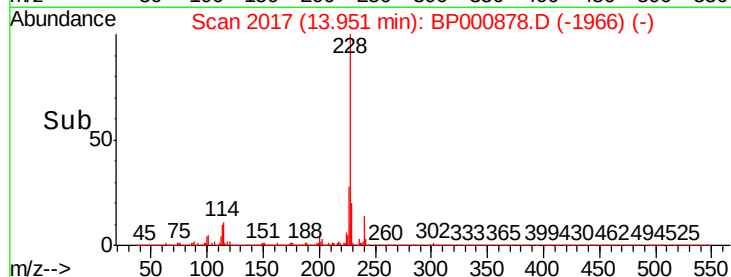
400000

200000

0

13.85 13.90 13.95

Time-->



#83

Chrysene

Concen: 18.740 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

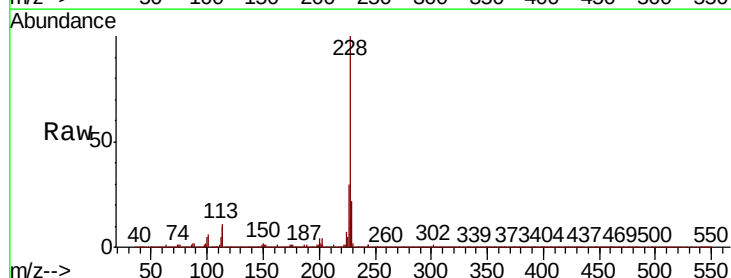
Tgt Ion:228 Resp: 560583

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

229 22.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

1000000

800000

600000

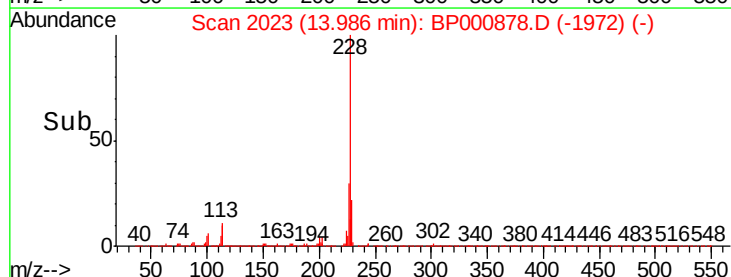
400000

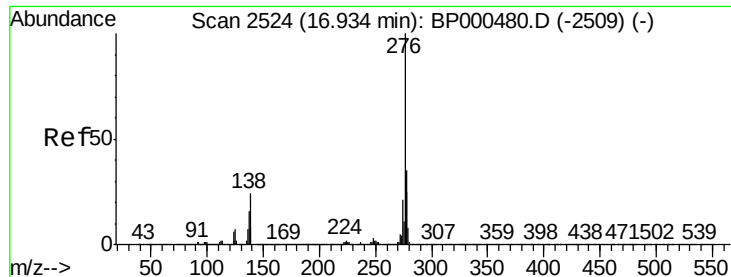
200000

0

13.95 14.00 14.05

Time-->

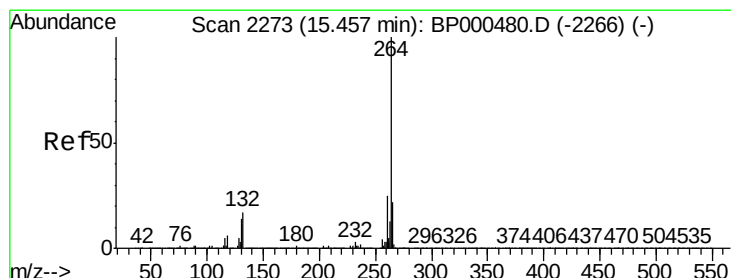
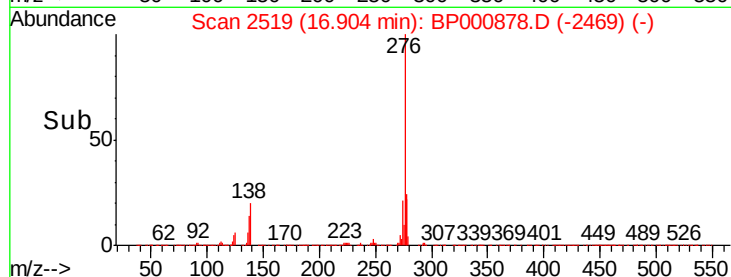
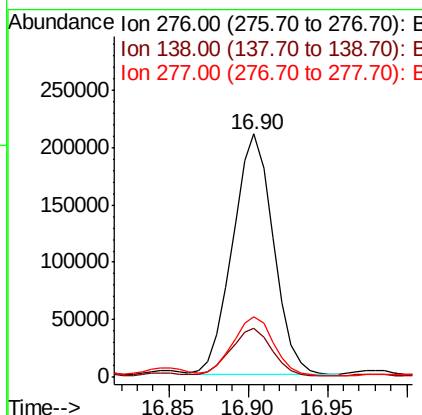
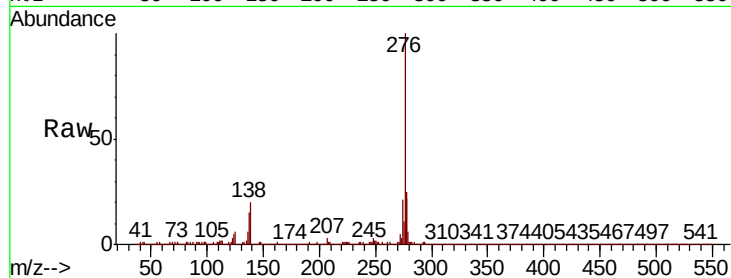




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.897 ng
 RT: 16.90 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BP000878.D
 Acq: 18 Oct 2019 16:13

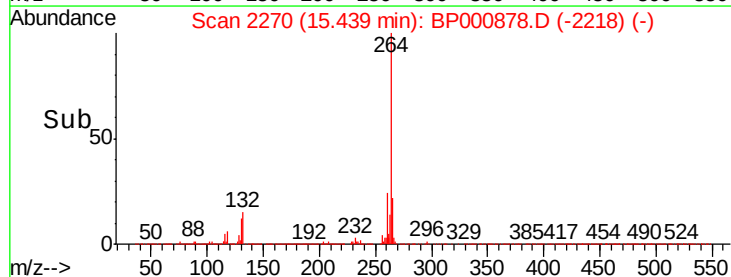
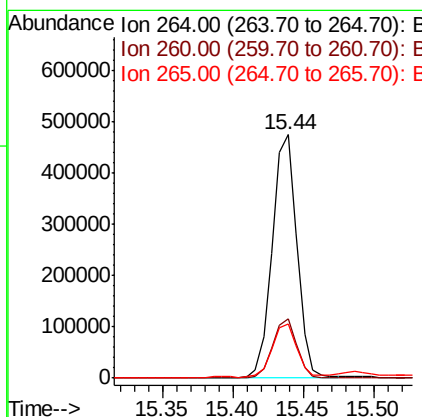
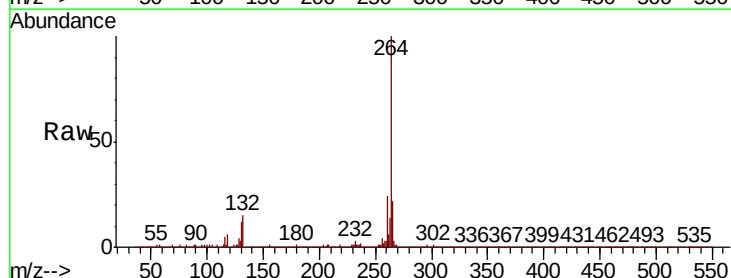
Instrument :
 BNA_P
 ClientSampleId :

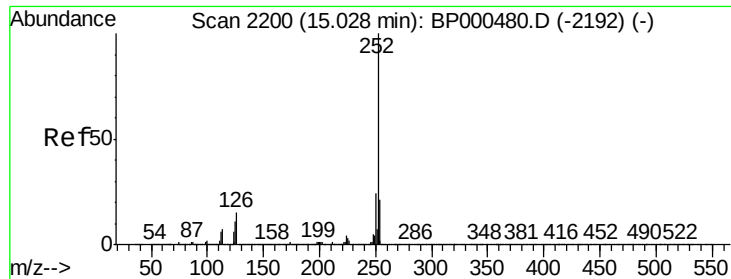
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.1	28.7
277	24.8	20.4	30.6



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BP000878.D
 Acq: 18 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.3	28.9
265	22.5	17.4	26.0

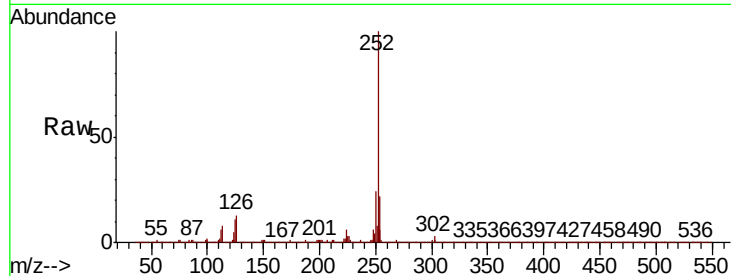




#88
Benzo(b)fluoranthene
Concen: 23.149 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	10.6	7.4	11.2

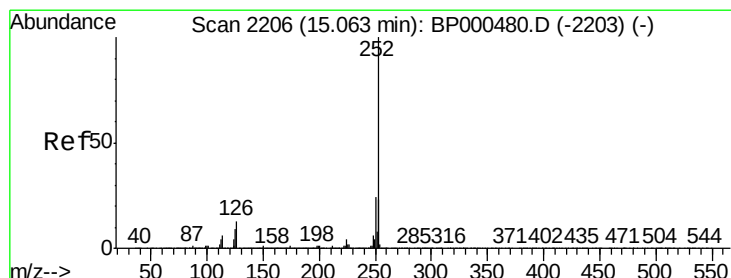
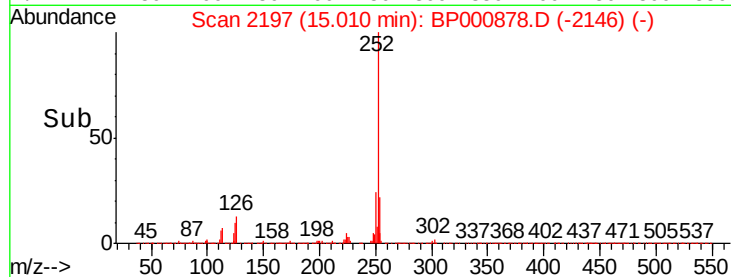
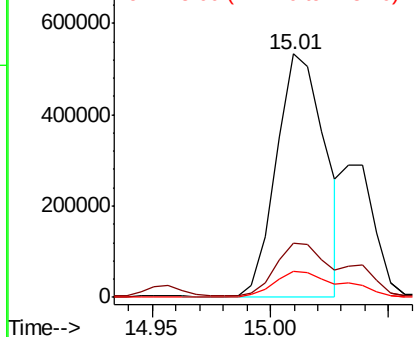


Abundance

Ion 252.00 (251.70 to 252.70): E

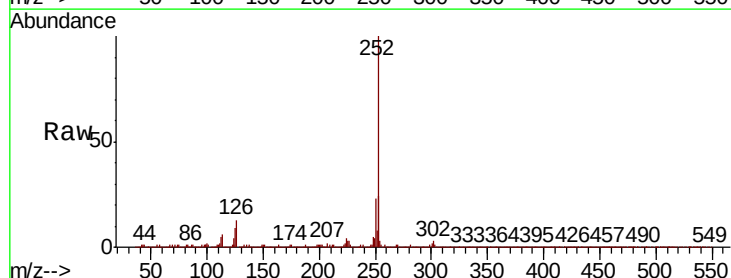
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 8.538 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BP000878.D
Acq: 18 Oct 2019 16:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.6	26.4
125	9.1	7.1	10.7

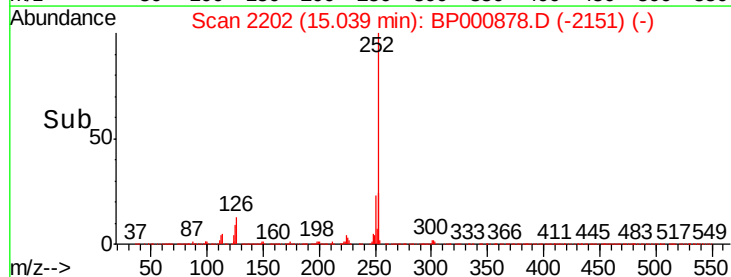
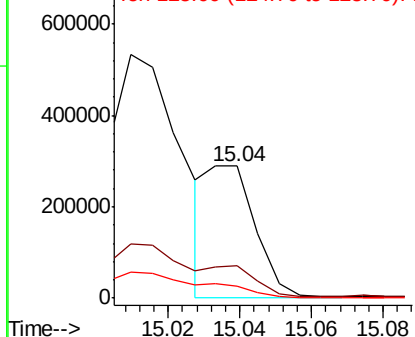


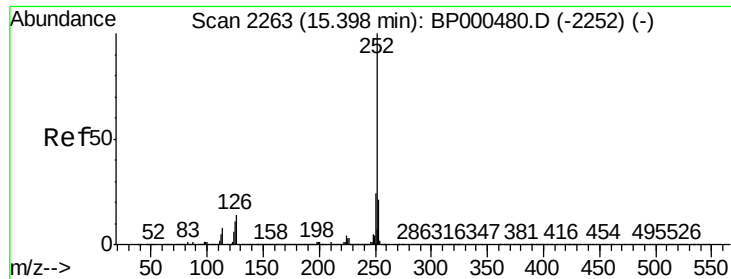
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 18.312 ng

RT: 15.37 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Instrument :

BNA_P

ClientSampled :

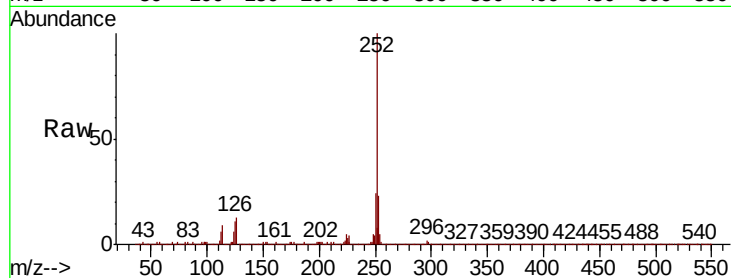
Tot Ion:252 Resp: 566996

Ion Ratio Lower Upper

252 100

253 23.1 17.3 25.9

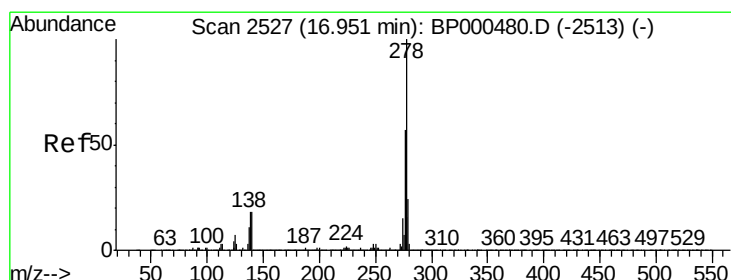
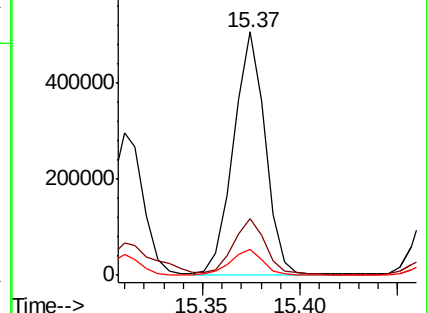
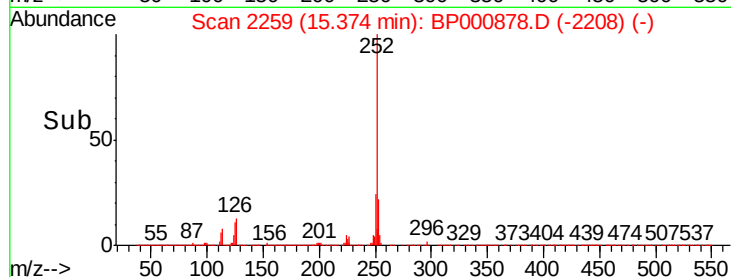
125 10.8 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 3.166 ng m

RT: 16.91 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

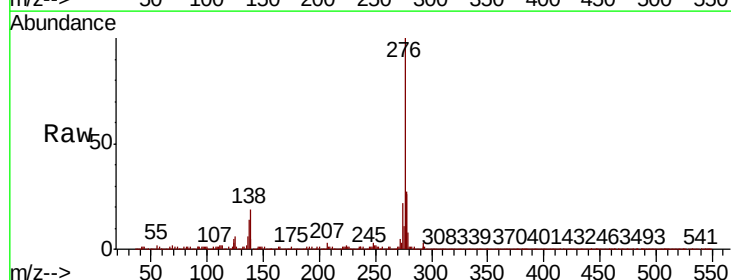
Tgt Ion:278 Resp: 95087

Ion Ratio Lower Upper

278 100

139 18.7 12.4 18.6#

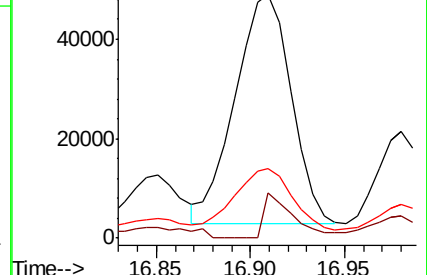
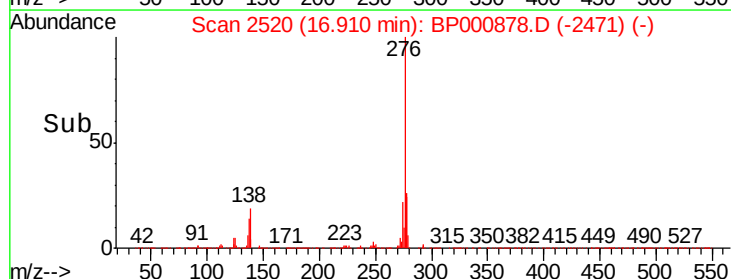
279 28.6 19.1 28.7

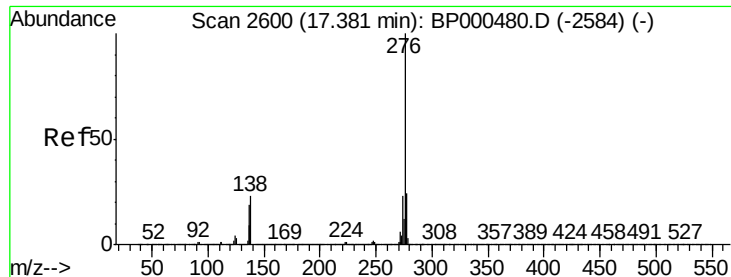


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 11.404 ng

RT: 17.34 min Scan# 2594

Delta R.T. -0.01 min

Lab File: BP000878.D

Acq: 18 Oct 2019 16:13

Instrument :

BNA_P

ClientSampleId :

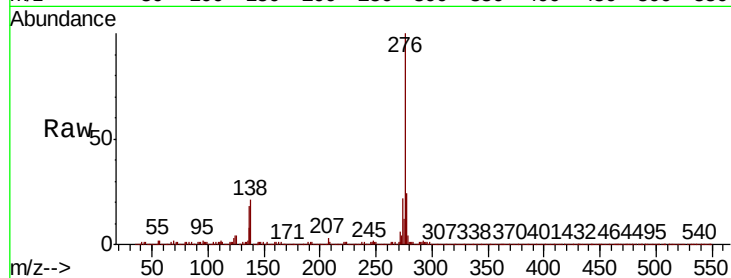
Tot Ion: 276 Resp: 348007

Ion Ratio Lower Upper

276 100

277 24.1 18.6 28.0

138 20.9 16.6 24.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

