

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003272.D
 Acq On : 14 Sep 2020 17:14
 Operator : CG/JU
 Sample : L3981-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B18-4-6

Quant Time: Sep 14 18:31:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	165981	20.00	ng	-0.01
21) Naphthalene-d8	10.42	136	616322	20.00	ng	-0.02
39) Acenaphthene-d10	14.28	164	333094	20.00	ng	-0.01
64) Phenanthrene-d10	17.03	188	629778	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	664768	20.00	ng	-0.01
86) Perylene-d12	23.36	264	811368	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	619724	66.01	ng	0.00
7) Phenol-d6	6.83	99	742835	63.12	ng	0.00
23) Nitrobenzene-d5	8.79	82	452746	52.96	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	323437	71.79	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	1157143	50.87	ng	-0.02
79) Terphenyl-d14	19.61	244	1340658	44.38	ng	-0.01

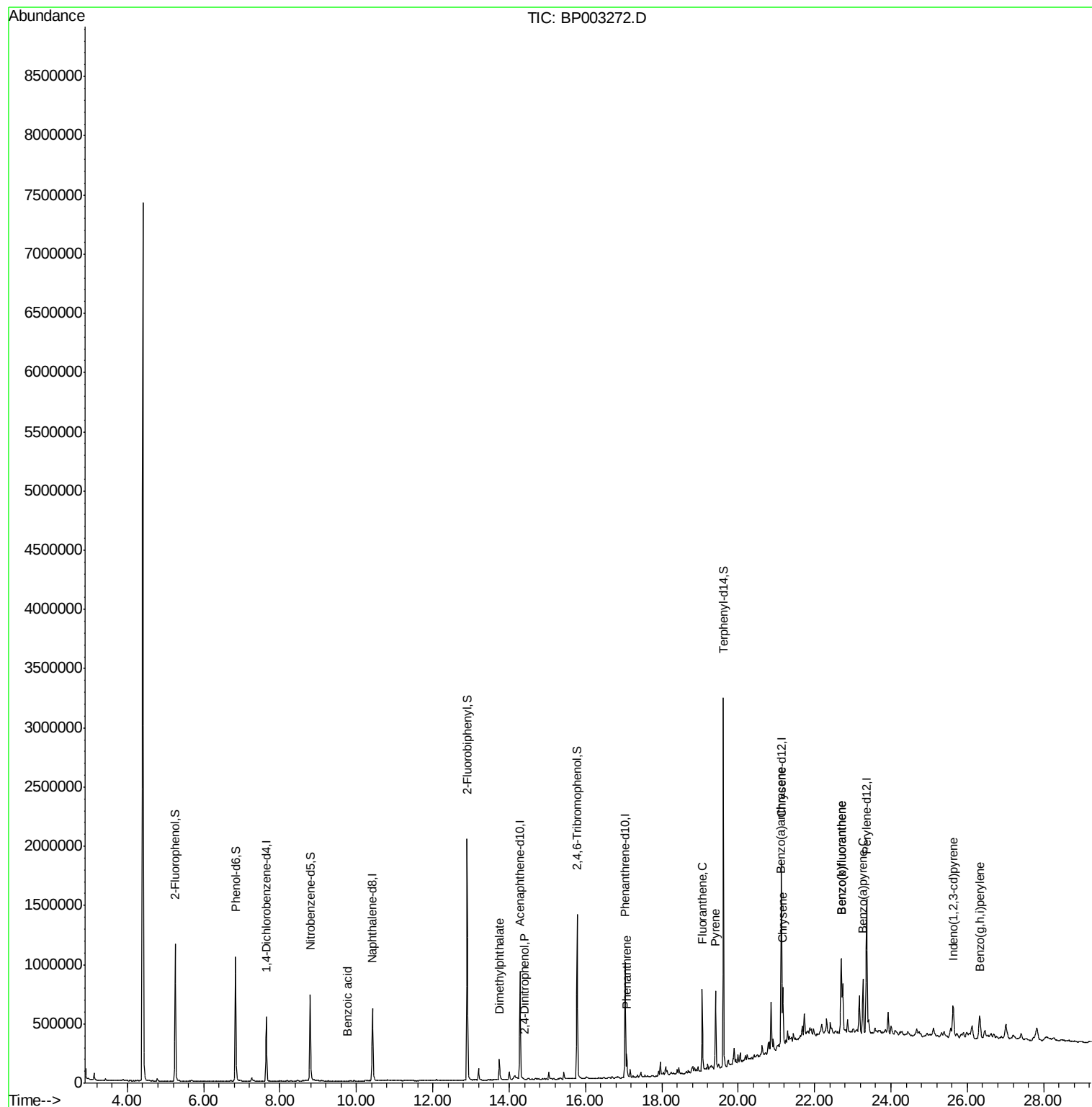
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
32) Benzoic acid	9.78	122	364	9.048	ng	# 87
50) Dimethylphthalate	13.75	163	142076	5.593	ng	100
54) 2,4-Dinitrophenol	14.40	184	160	7.805	ng	# 1
71) Phenanthrene	17.08	178	130528	3.825	ng	99
75) Fluoranthene	19.06	202	415248	10.528	ng	100
78) Pyrene	19.41	202	397055	9.203	ng	100
81) Benzo(a)anthracene	21.12	228	264229	6.346	ng	98
83) Chrysene	21.17	228	289155	7.253	ng	97
87) Indeno(1,2,3-cd)pyrene	25.63	276	265410	4.386	ng	95
88) Benzo(b)fluoranthene	22.69	252	466898	9.258	ng	97
89) Benzo(k)fluoranthene	22.69	252	466898	9.690	ng	98
90) Benzo(a)pyrene	23.26	252	300454	6.422	ng	96
92) Benzo(a,h,i)perylene	26.32	276	255117	5.114	ng	99

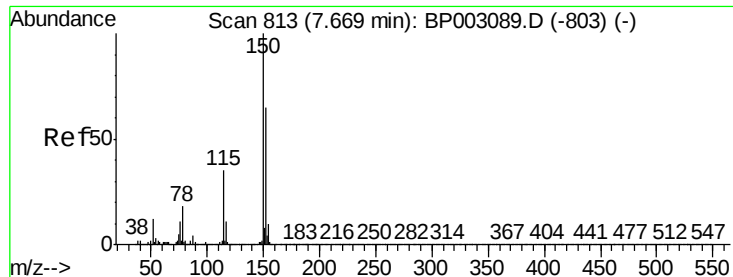
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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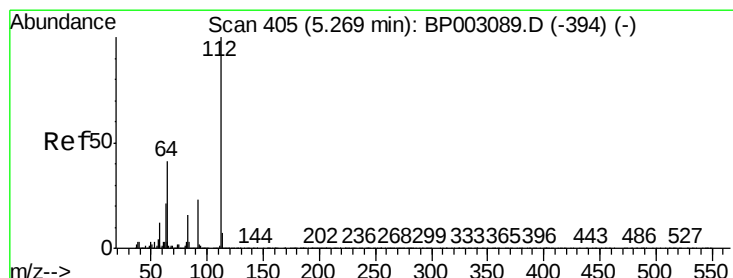
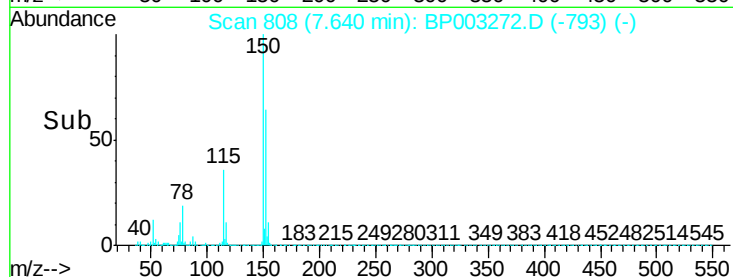
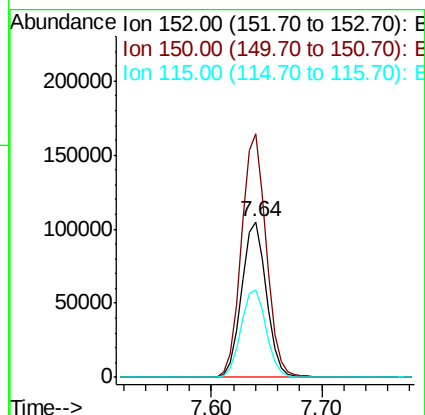
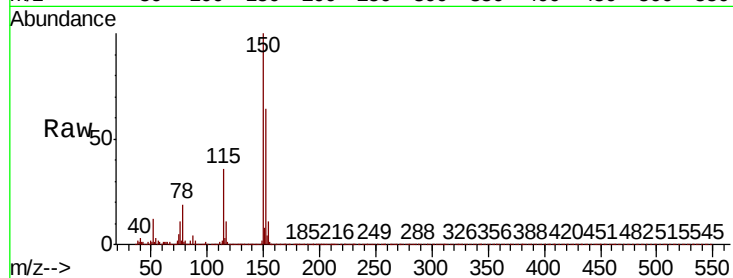


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 808
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Instrument :
BNA_P
ClientSampleId :
B18-4-6

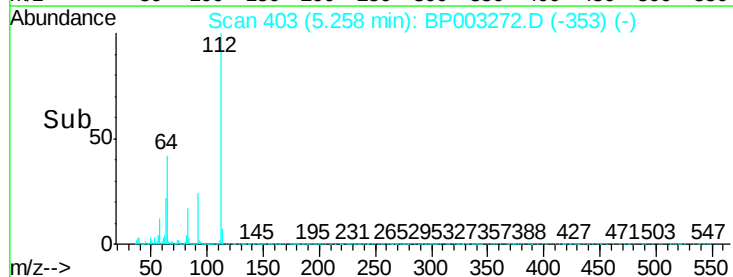
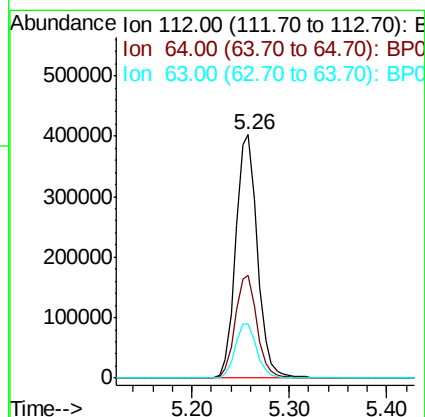
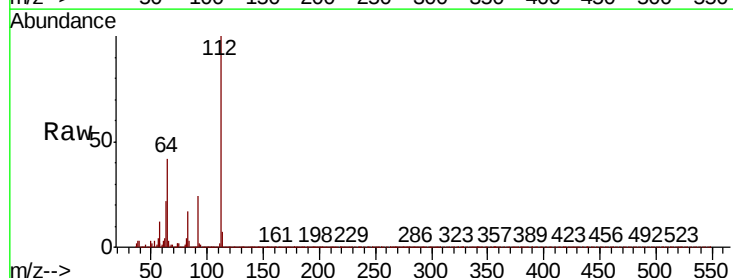
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.8	185.6
115	56.1	43.8	65.6

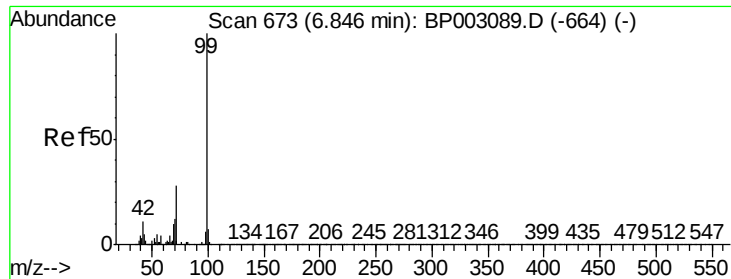


#5

2-Fluorophenol
Concen: 66.013 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.2	32.8	49.2
63	22.1	17.0	25.4





#7

Phenol-d6

Concen: 63.121 ng

RT: 6.83 min Scan# 671

Delta R.T. 0.00 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

Instrument :

BNA_P

ClientSampleId :

B18-4-6

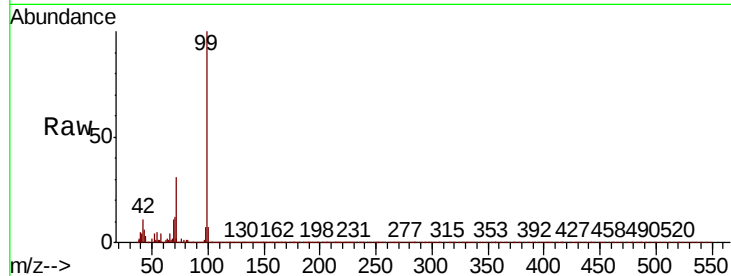
Tot Ion: 99 Resp: 742835

Ion Ratio Lower Upper

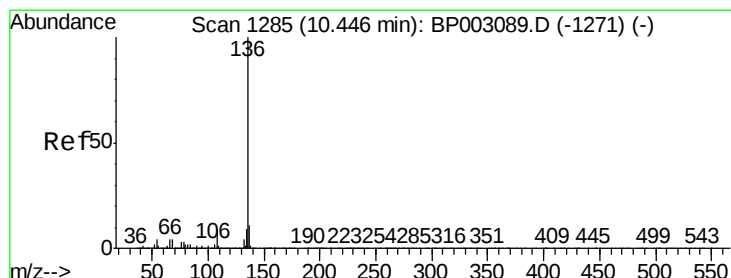
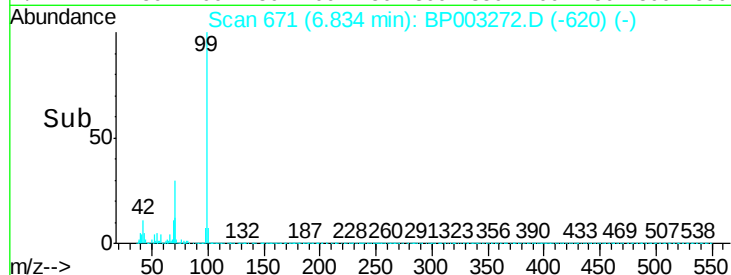
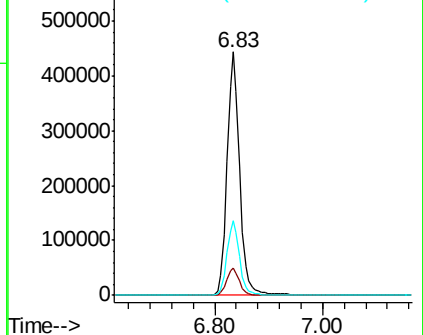
99 100

42 11.5 8.6 13.0

71 30.5 23.4 35.2



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: 10.42 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

Tgt Ion: 136 Resp: 616322

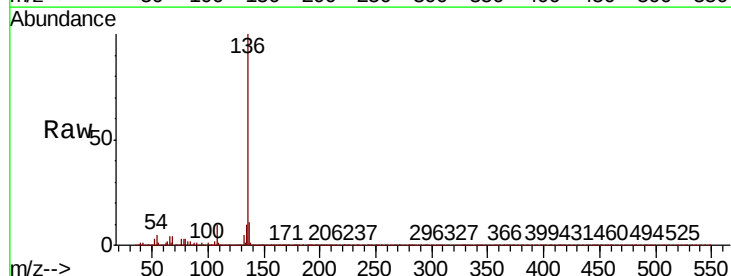
Ion Ratio Lower Upper

136 100

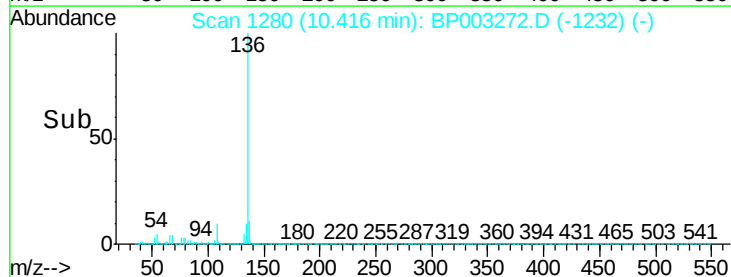
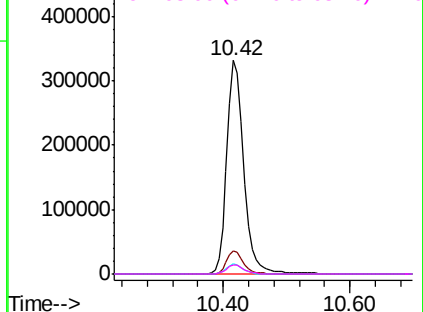
137 10.9 8.6 13.0

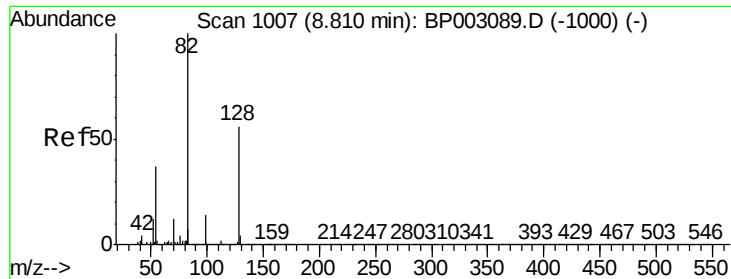
54 4.7 3.6 5.4

68 4.5 3.3 4.9



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

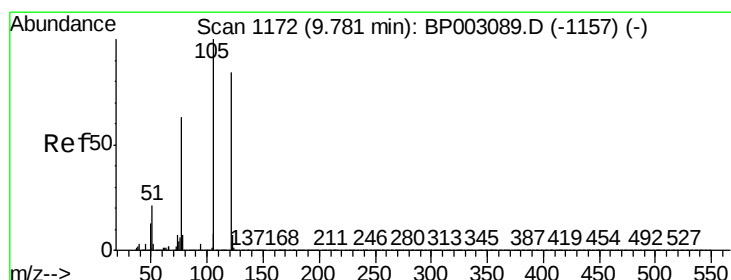
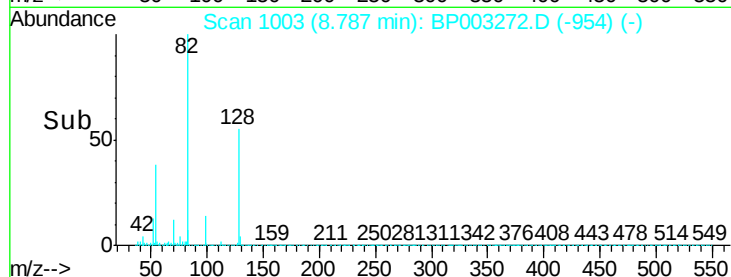
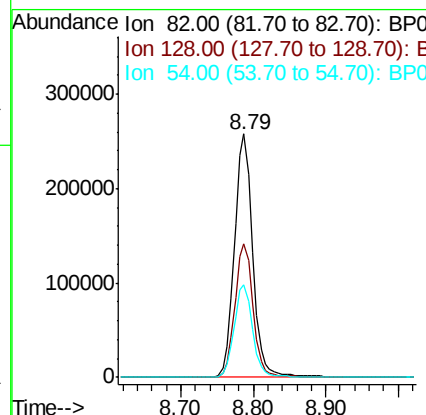
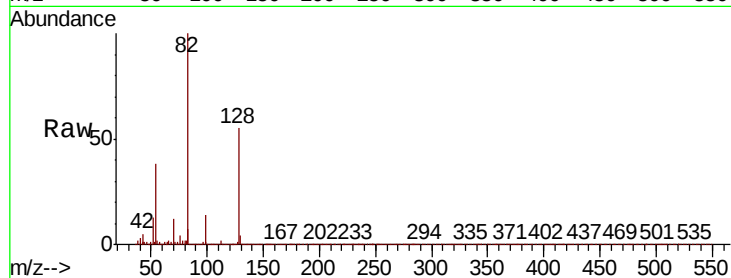




#23
Nitrobenzene-d5
Concen: 52.957 ng
RT: 8.79 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

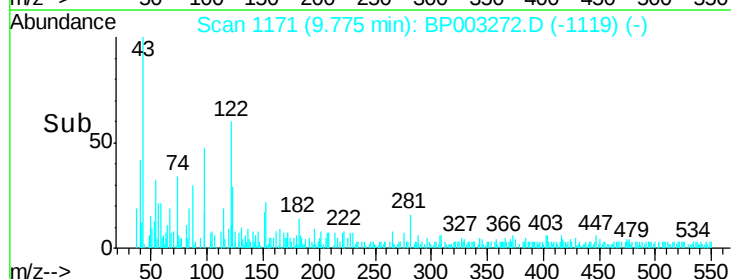
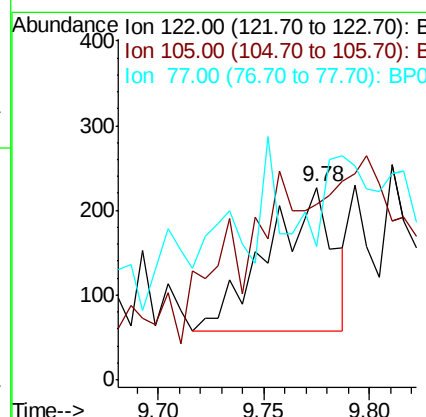
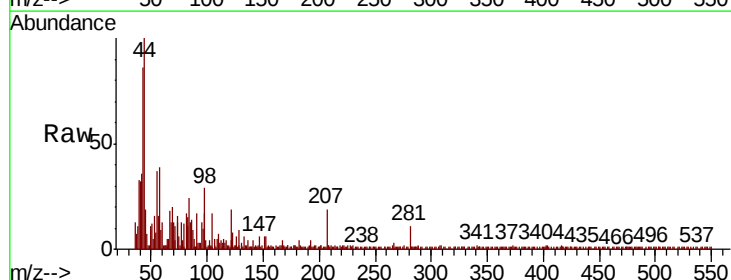
Instrument :
BNA_P
ClientSampleId :
B18-4-6

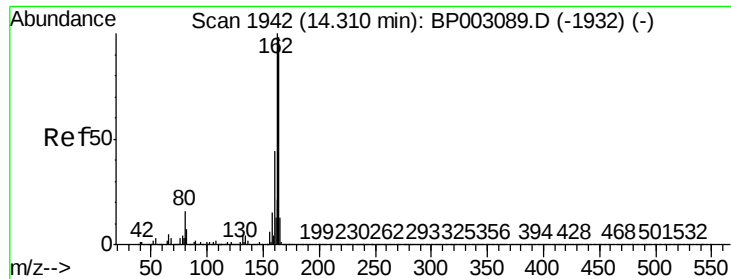
Tot Ion	82	Resp	452746
Ion Ratio	Lower	Upper	
82	100		
128	54.8	45.6	68.4
54	37.8	30.1	45.1



#32
Benzoic acid
Concen: 9.048 ng
RT: 9.78 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion	122	Resp	364
Ion Ratio	Lower	Upper	
122	100		
105	91.2	94.1	134.1#
77	69.6	50.1	90.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.28 min Scan# 1937

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

Instrument :

BNA_P

ClientSampleId :

B18-4-6

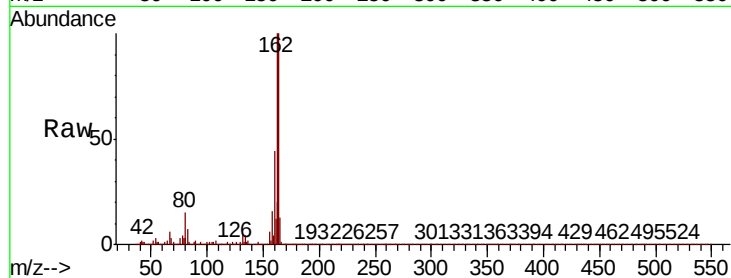
Tot Ion:164 Resp: 333094

Ion Ratio Lower Upper

164 100

162 100.4 79.4 119.2

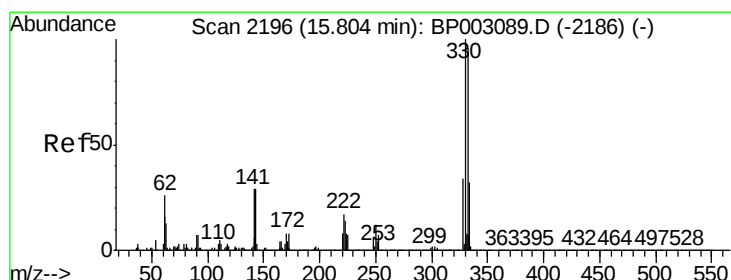
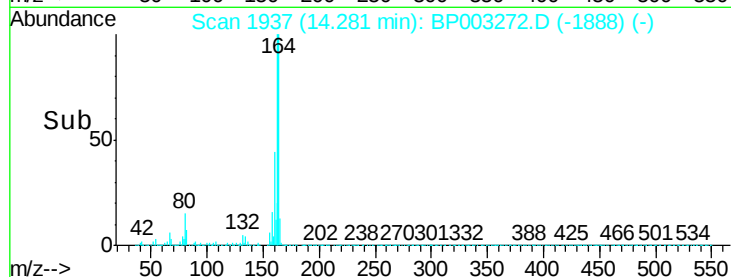
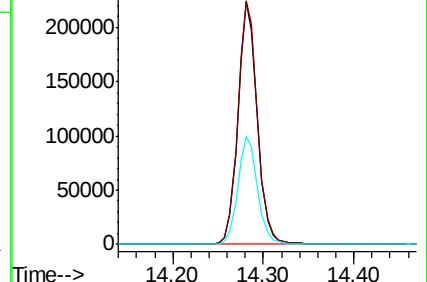
160 44.4 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 71.795 ng

RT: 15.78 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

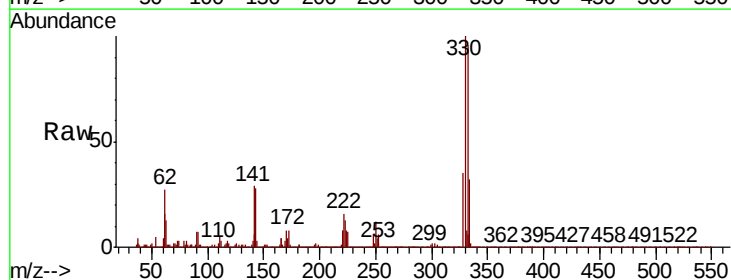
Tgt Ion:330 Resp: 323437

Ion Ratio Lower Upper

330 100

332 96.8 77.1 115.7

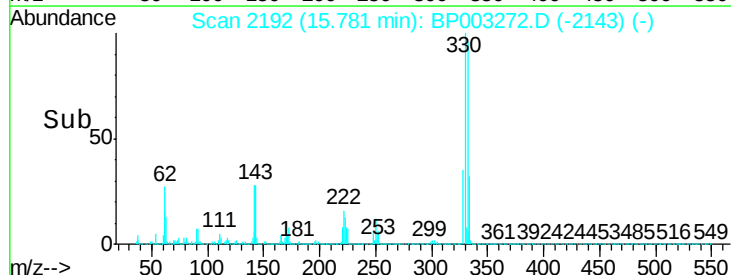
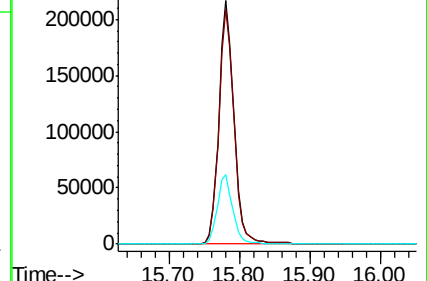
141 29.0 23.4 35.2

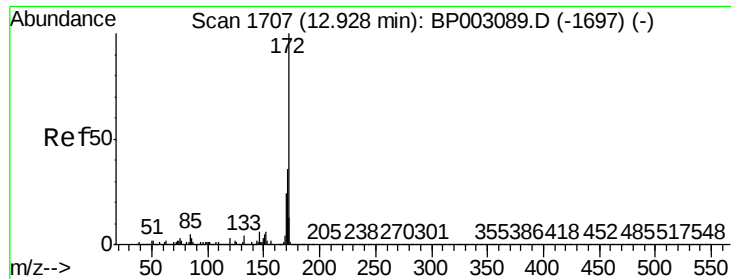


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

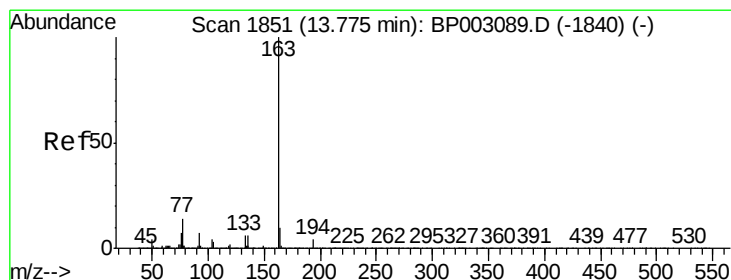
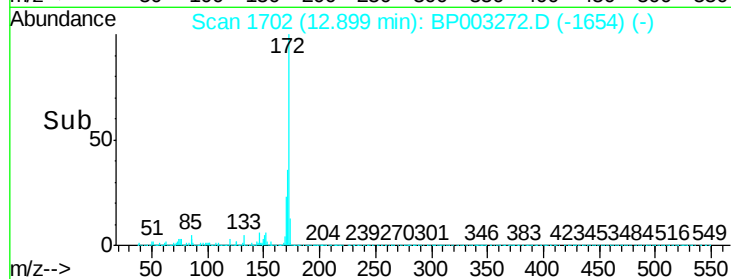
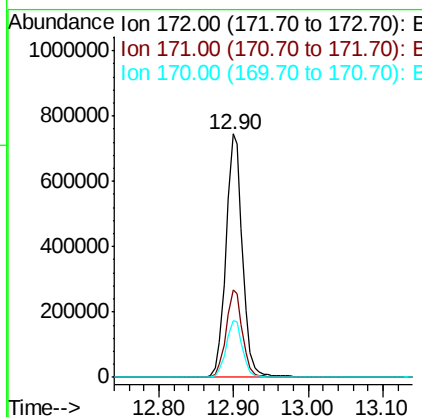
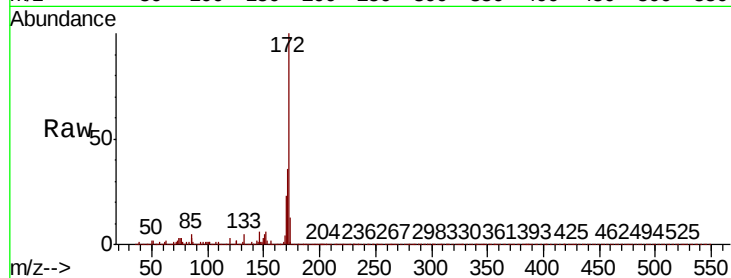




#45
2-Fluorobiphenyl
Concen: 50.874 ng
RT: 12.90 min Scan# 1702
Delta R.T. -0.02 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

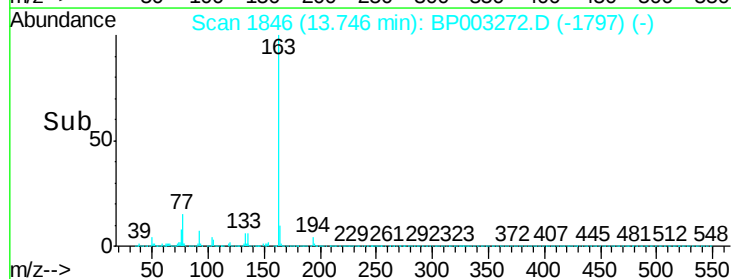
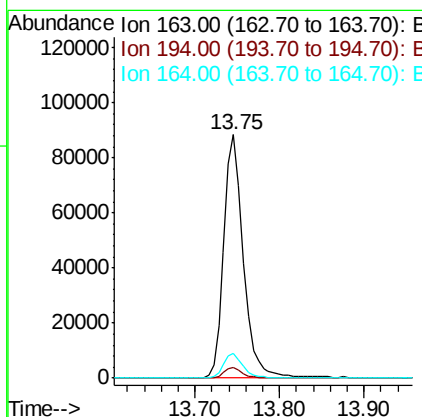
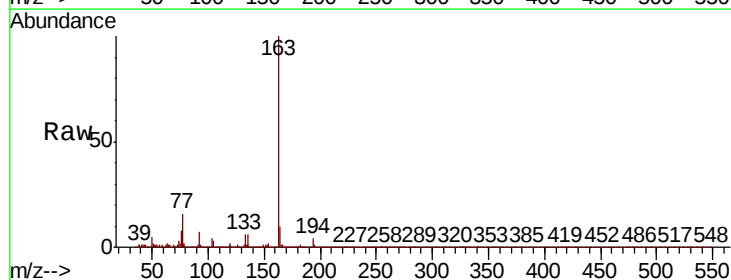
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B18-4-6

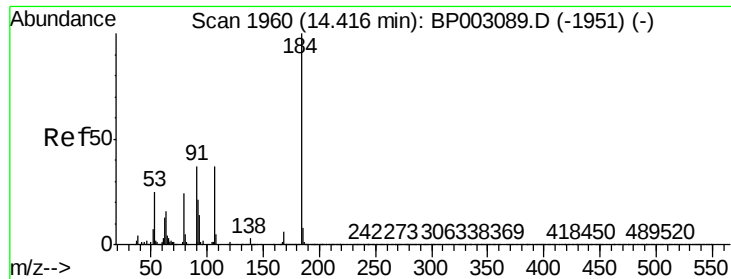
Tot Ion:172 Resp: 1157143
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.5 19.2 28.8



#50
Dimethylphthalate
Concen: 5.593 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion:163 Resp: 142076
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.2 8.2 12.2

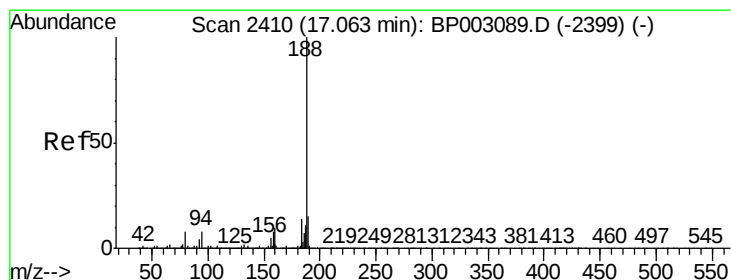
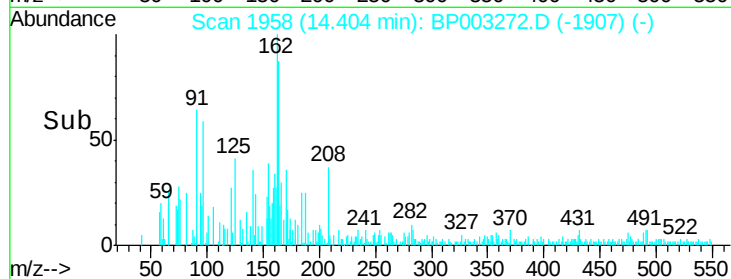
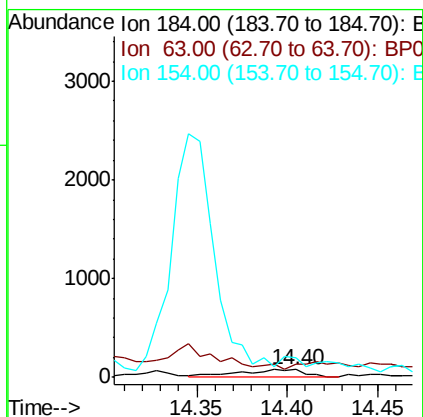
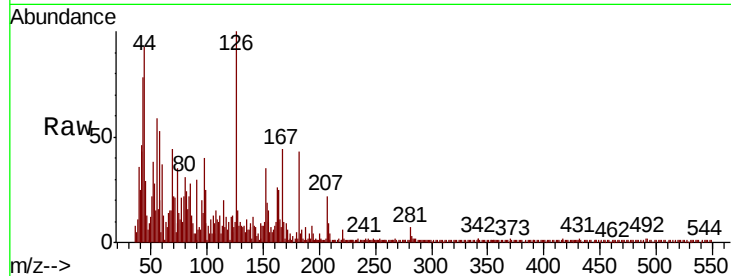




#54
2,4-Dinitrophenol
Concen: 7.805 ng
RT: 14.40 min Scan# 1958
Delta R.T. 0.00 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

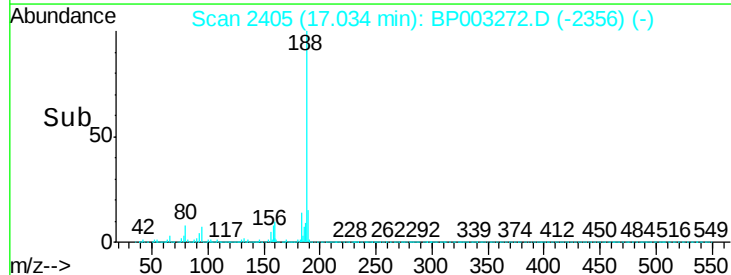
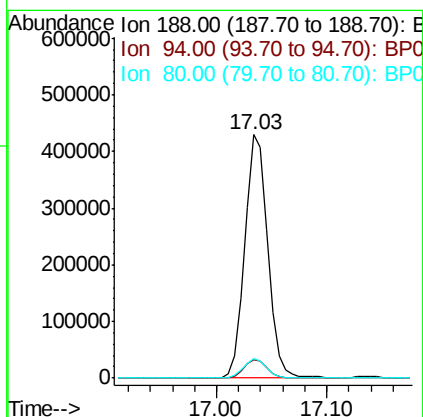
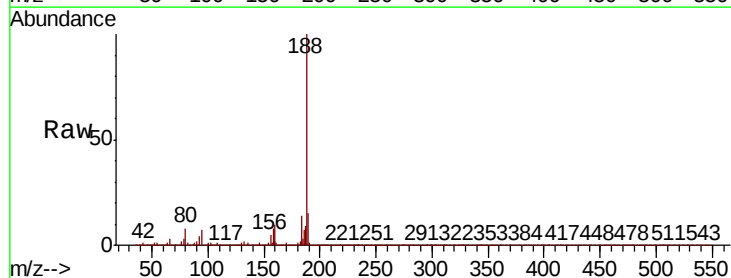
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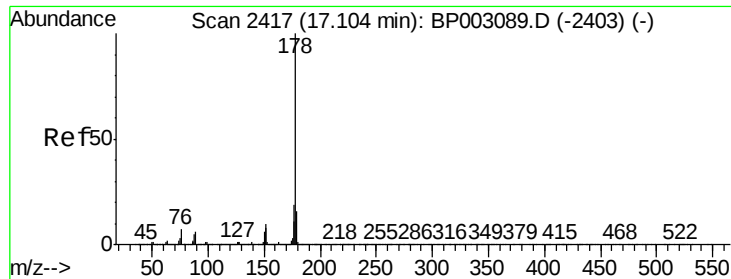
Tot Ion:184 Resp: 160
Ion Ratio Lower Upper
184 100
63 162.0 32.3 48.5#
154 248.1 49.1 73.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.03 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion:188 Resp: 629778
Ion Ratio Lower Upper
188 100
94 7.5 6.2 9.2
80 7.9 6.2 9.2





#71

Phenanthrene

Concen: 3.825 ng

RT: 17.08 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

Instrument :

BNA_P

ClientSampleId :

B18-4-6

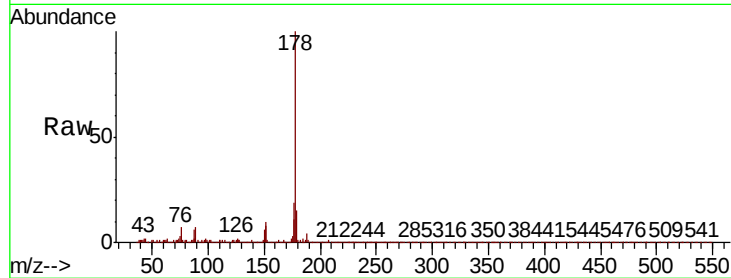
Tot Ion:178 Resp: 130528

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

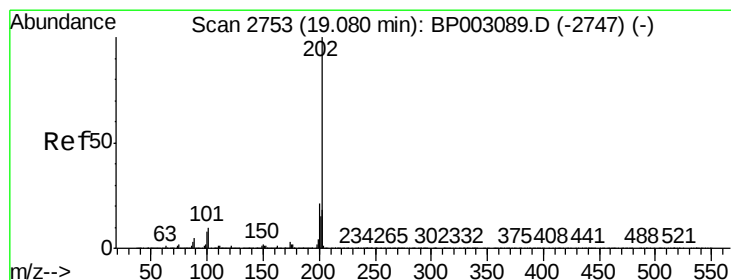
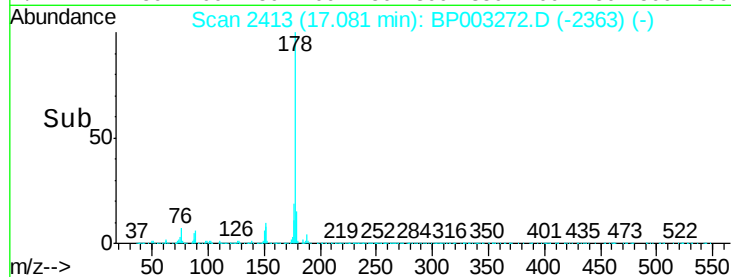
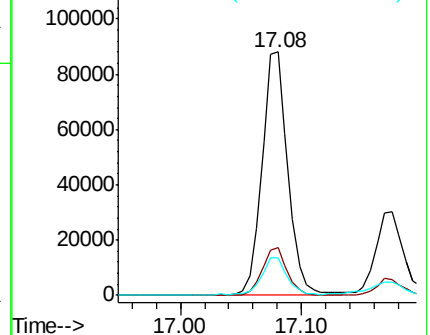
179 15.3 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 10.528 ng

RT: 19.06 min Scan# 2749

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

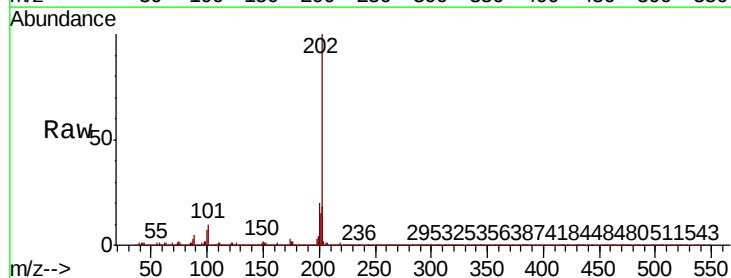
Tgt Ion:202 Resp: 415248

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.4

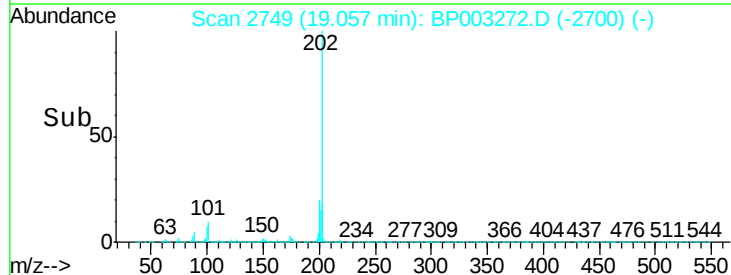
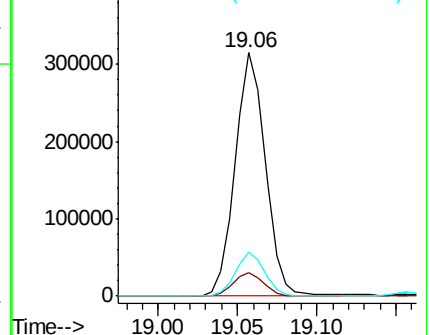
203 17.9 0.0 37.8

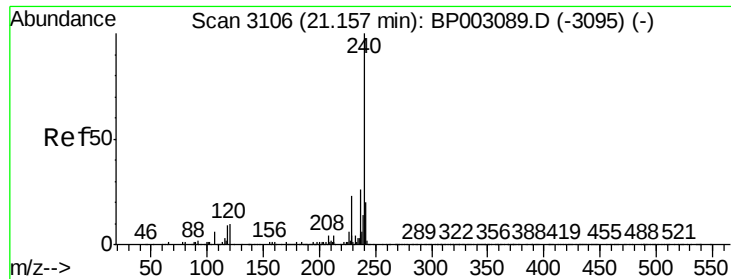


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

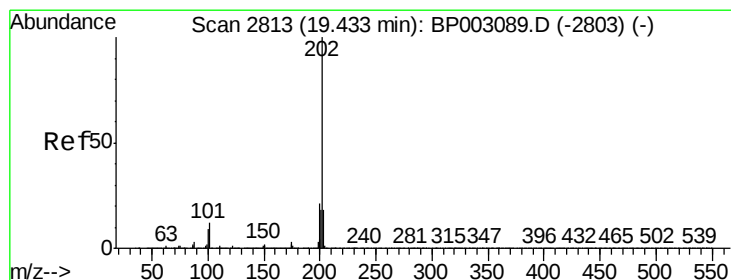
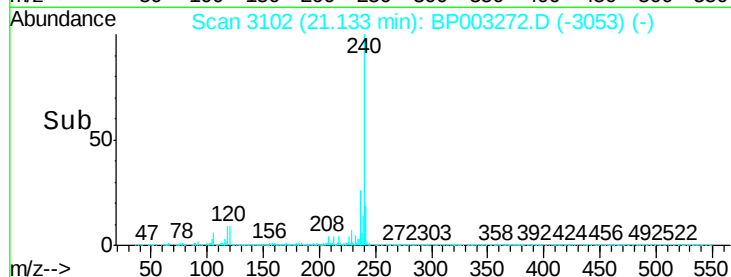
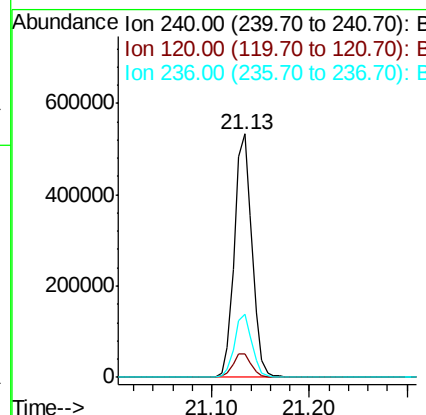
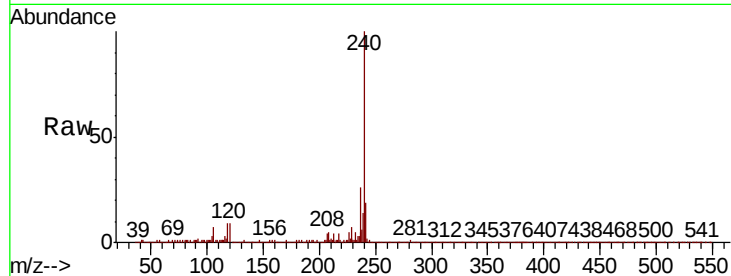




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

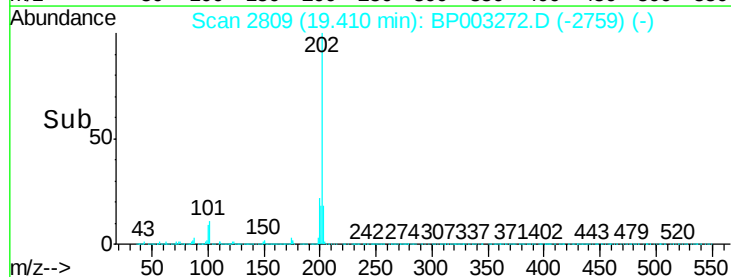
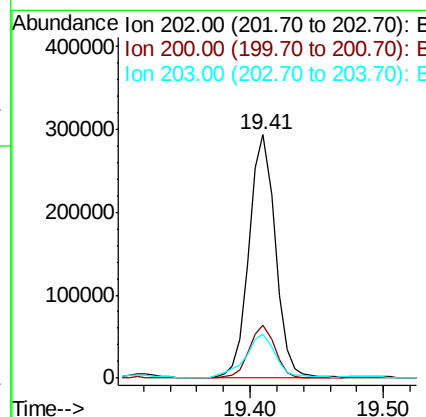
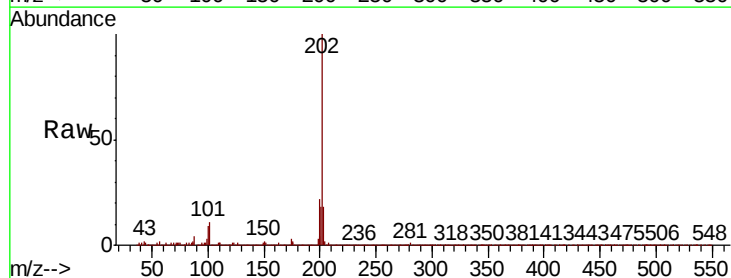
Instrument :
BNA_P
ClientSampleId :
B18-4-6

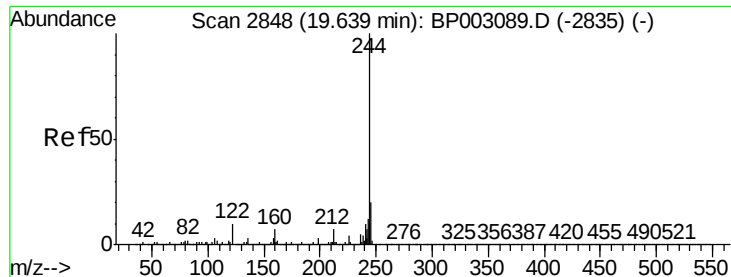
Tot Ion:240 Resp: 664768
Ion Ratio Lower Upper
240 100
120 9.4 7.8 11.6
236 25.9 20.8 31.2



#78
Pyrene
Concen: 9.203 ng
RT: 19.41 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion:202 Resp: 397055
Ion Ratio Lower Upper
202 100
200 21.6 17.1 25.7
203 17.9 14.2 21.2





#79

Terphenyl-d14

Concen: 44.377 ng

RT: 19.61 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

Instrument :

BNA_P

ClientSampled :

B18-4-6

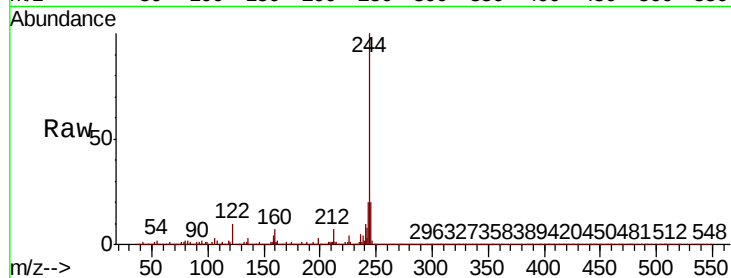
Tot Ion:244 Resp: 1340658

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

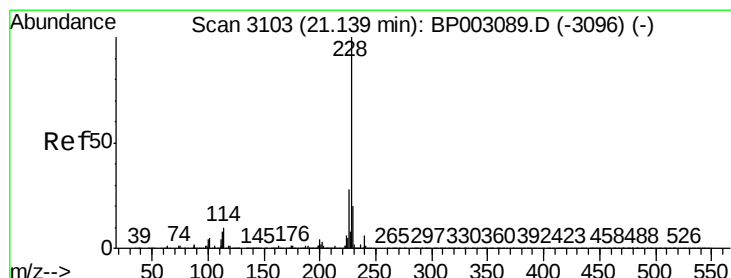
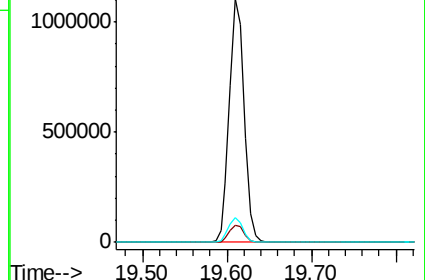
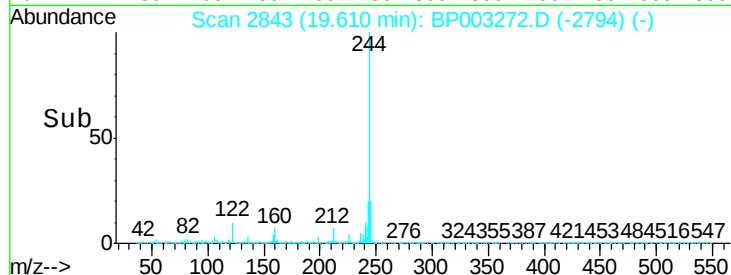
122 10.4 7.8 11.8



Abundance Ion 244.00 (243.70 to 244.70): E

1500000 Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.346 ng

RT: 21.12 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

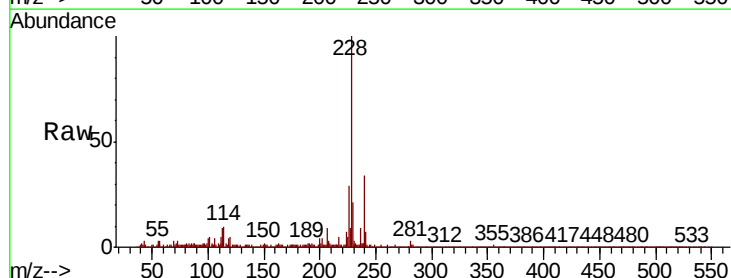
Tgt Ion:228 Resp: 264229

Ion Ratio Lower Upper

228 100

226 28.7 22.1 33.1

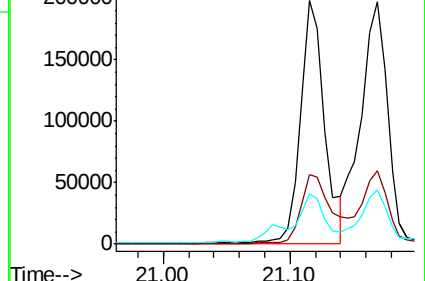
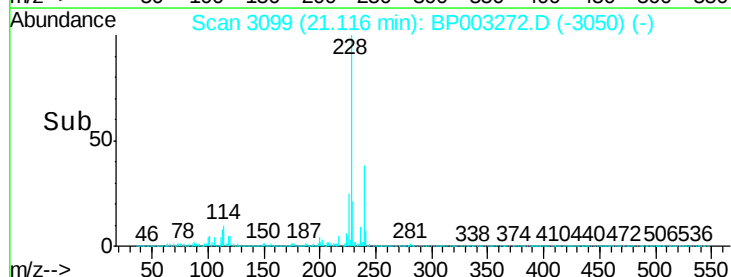
229 20.8 15.9 23.9

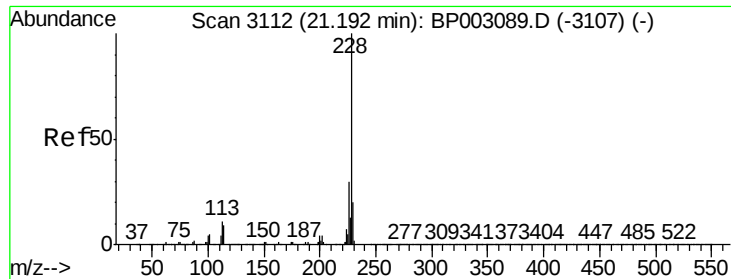


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

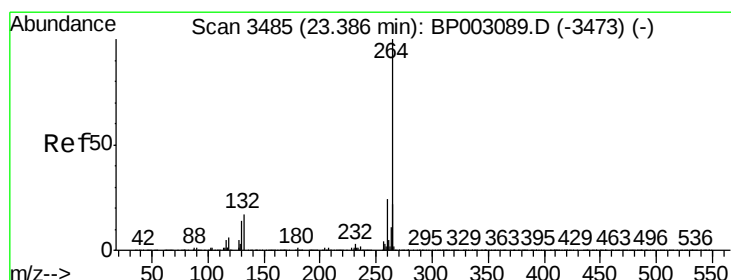
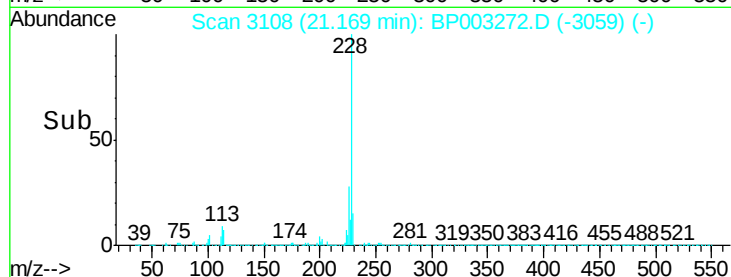
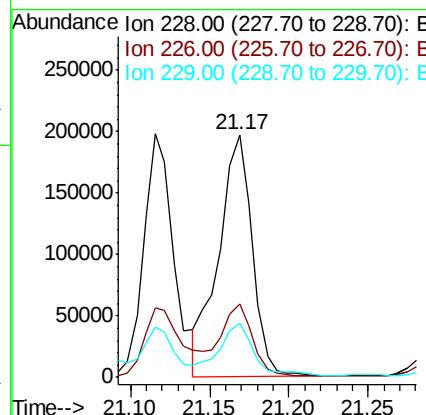
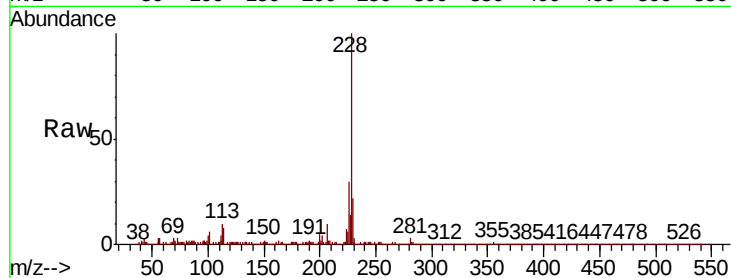




#83
Chrysene
Concen: 7.253 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

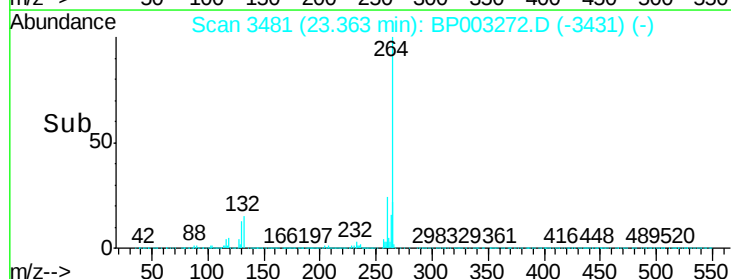
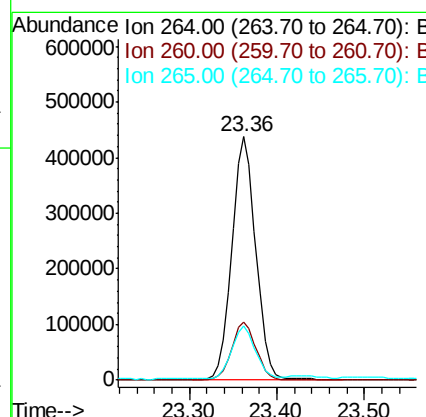
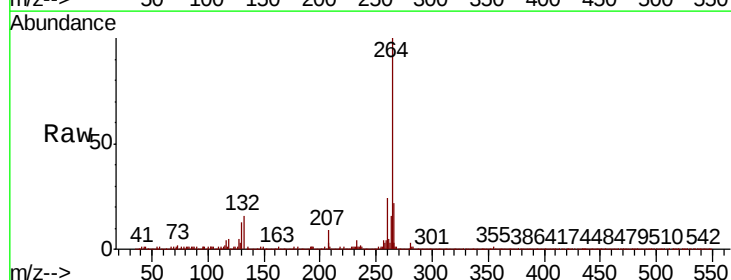
Instrument :
BNA_P
ClientSampleId :
B18-4-6

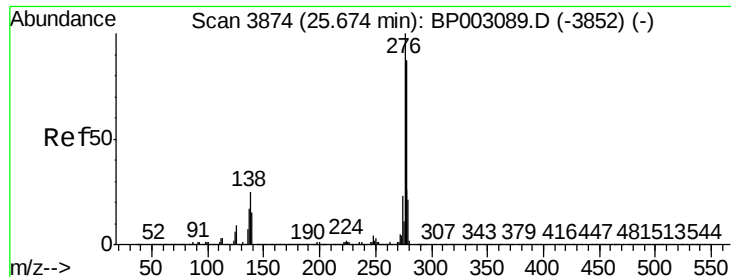
Tot Ion:228	Resp:	289155
Ion	Ratio	Lower Upper
228	100	
226	30.0	24.4 36.6
229	22.3	15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion:264	Resp:	811368
Ion	Ratio	Lower Upper
264	100	
260	23.9	18.8 28.2
265	22.1	17.4 26.2

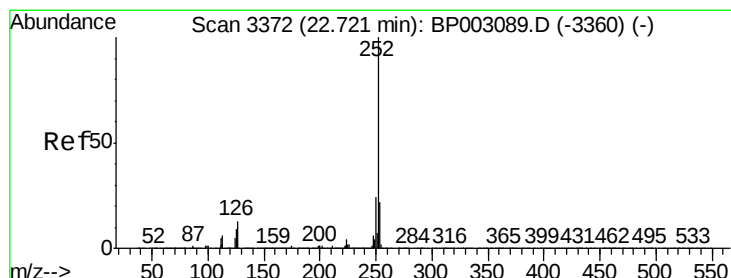
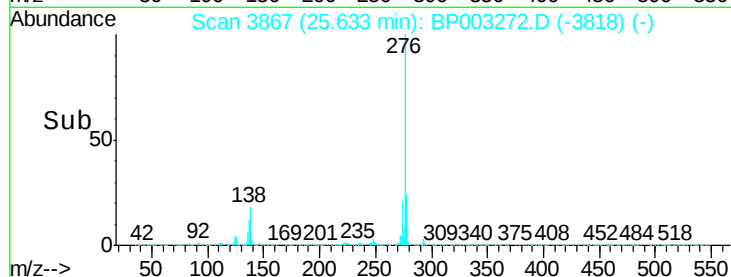
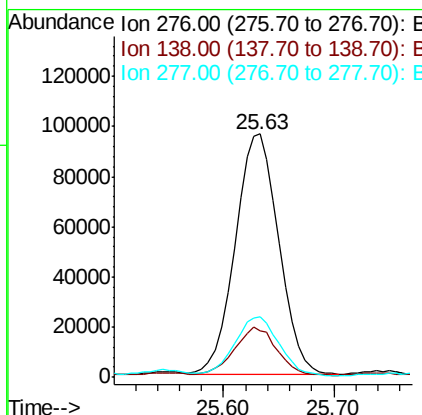
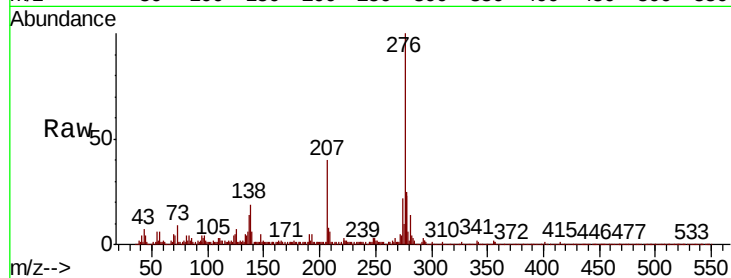




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.386 ng
 RT: 25.63 min Scan# 3867
 Delta R.T. -0.01 min
 Lab File: BP003272.D
 Acq: 14 Sep 2020 17:14

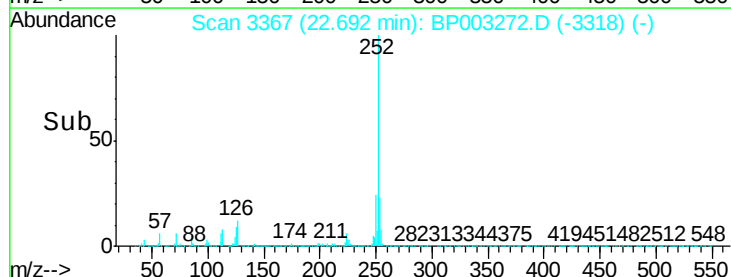
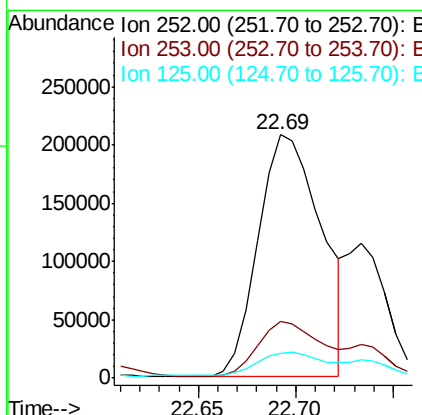
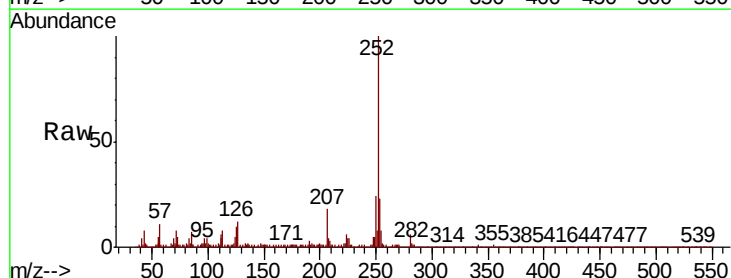
Instrument :
 BNA_P
 ClientSampleId :
 B18-4-6

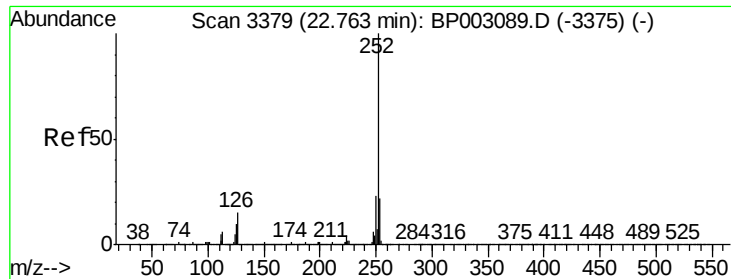
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	18.7	28.1
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 9.258 ng
 RT: 22.69 min Scan# 3367
 Delta R.T. -0.01 min
 Lab File: BP003272.D
 Acq: 14 Sep 2020 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.6	26.4
125	10.1	7.3	10.9

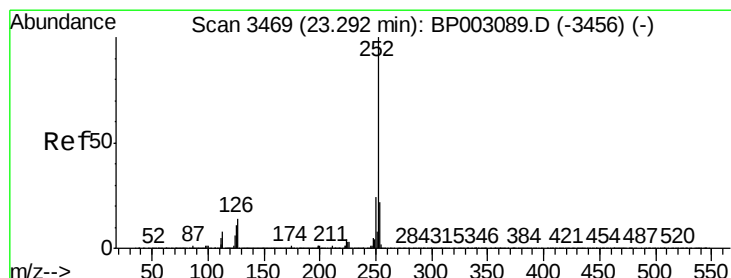
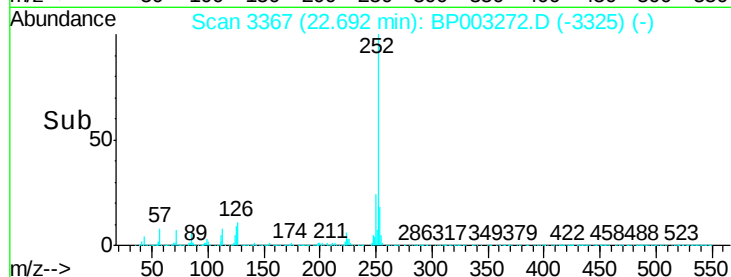
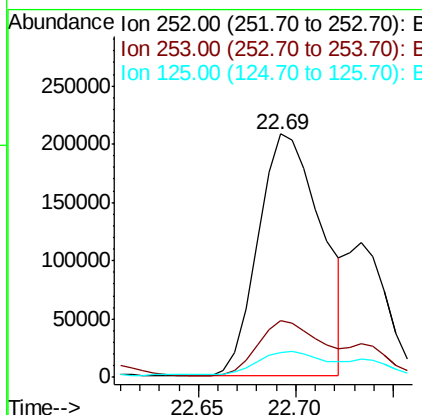
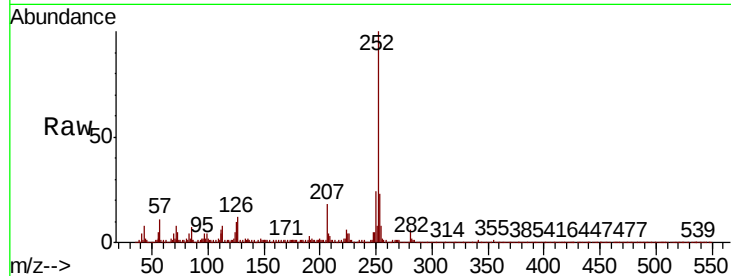




#89
Benzo(k)fluoranthene
Concen: 9.690 ng
RT: 22.69 min Scan# 3367
Delta R.T. -0.05 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

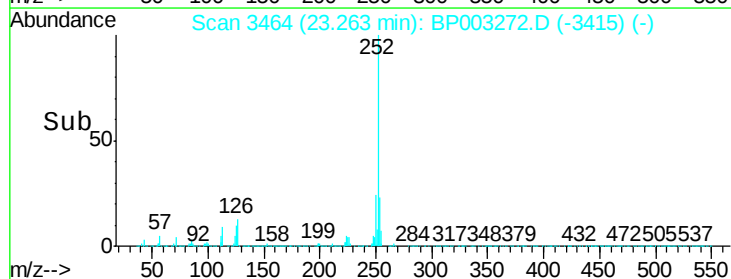
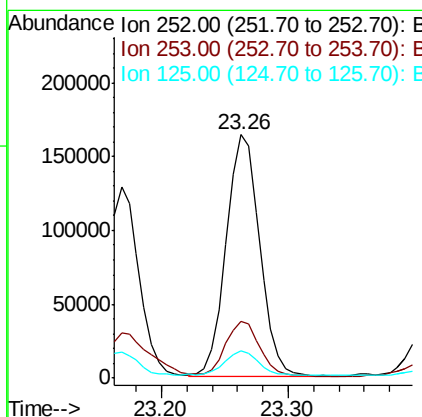
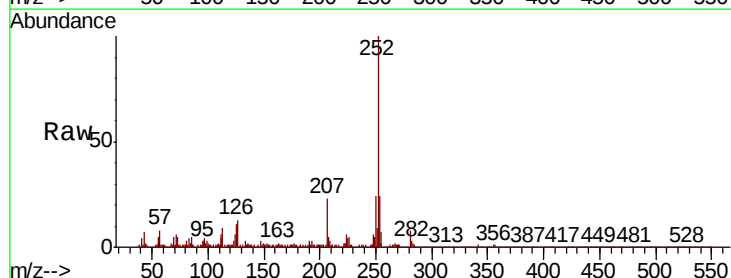
Instrument :
BNA_P
ClientSampled :
B18-4-6

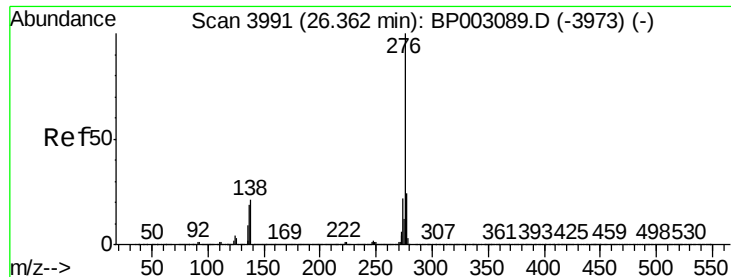
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	10.1	7.4	11.2



#90
Benzo(a)pyrene
Concen: 6.422 ng
RT: 23.26 min Scan# 3464
Delta R.T. -0.01 min
Lab File: BP003272.D
Acq: 14 Sep 2020 17:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	11.4	8.2	12.4





#92

Benzo(a,h,i)perylene

Concen: 5.114 ng

RT: 26.32 min Scan# 3984

Delta R.T. -0.01 min

Lab File: BP003272.D

Acq: 14 Sep 2020 17:14

Instrument :

BNA_P

ClientSampleId :

B18-4-6

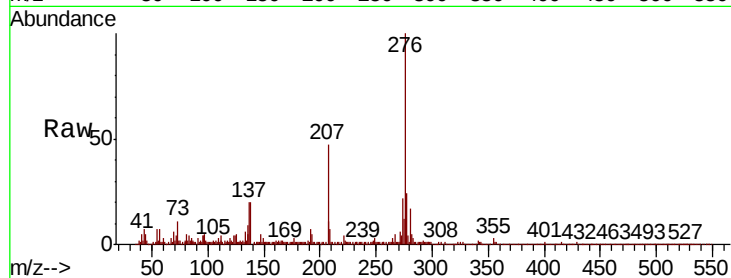
Tot Ion: 276 Resp: 255117

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 20.0 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

