

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP073020\
 Data File : BP002879.D
 Acq On : 30 Jul 2020 16:42
 Operator : CG/JU
 Sample : L3473-09
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-2-D

Quant Time: Jul 30 17:41:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 15:30:34 2020
 Response via : Initial Calibration

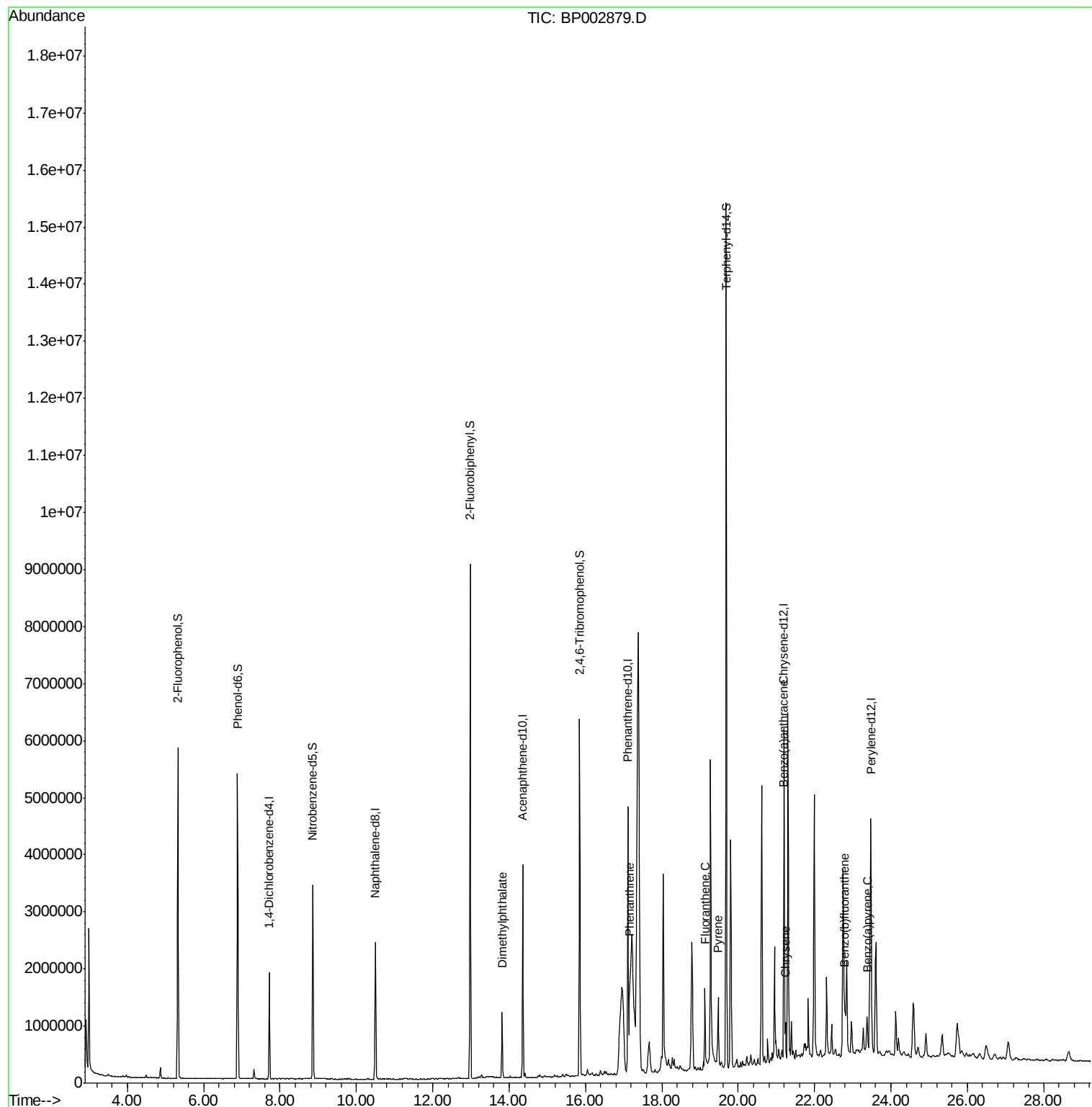
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	512506	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1999225	20.00	ng	0.00
39) Acenaphthene-d10	14.36	164	1237470	20.00	ng	0.00
64) Phenanthrene-d10	17.11	188	2605368	20.00	ng	0.00
76) Chrysene-d12	21.20	240	2686986	20.00	ng	0.00
86) Perylene-d12	23.47	264	2850205	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	2615144	78.10	ng	0.00
7) Phenol-d6	6.89	99	3351595	72.09	ng	0.00
23) Nitrobenzene-d5	8.86	82	2074804	56.21	ng	0.00
42) 2,4,6-Tribromophenol	15.85	330	1253092	81.47	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	4670563	51.57	ng	0.00
79) Terphenyl-d14	19.69	244	6364839	47.42	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.82	163	730941	7.552	ng	Qvalue 100
71) Phenanthrene	17.15	178	381049	2.494	ng	98
75) Fluoranthene	19.13	202	778144	4.421	ng	98
78) Pyrene	19.47	202	695828	3.704	ng	98
81) Benzo(a)anthracene	21.19	228	445286	2.433	ng	99
83) Chrysene	21.24	228	357837	2.073	ng	97
88) Benzo(b)fluoranthene	22.79	252	514817	2.560	ng	# 98
90) Benzo(a)pyrene	23.37	252	375070	2.064	ng	98

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

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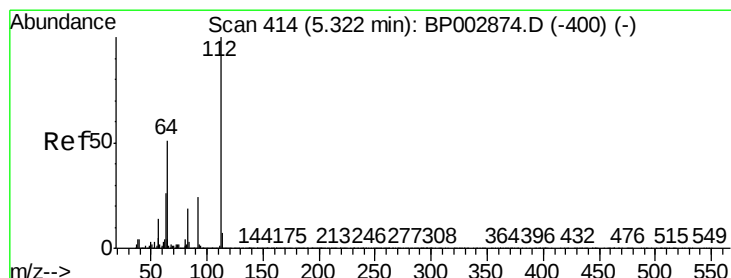
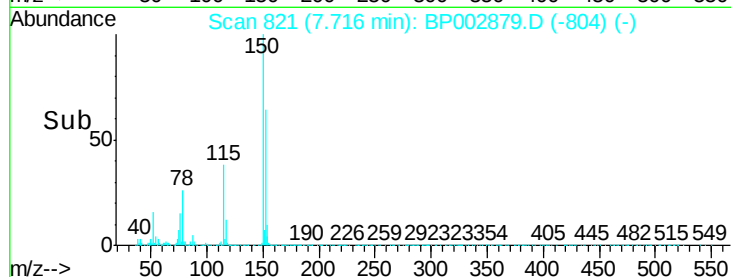
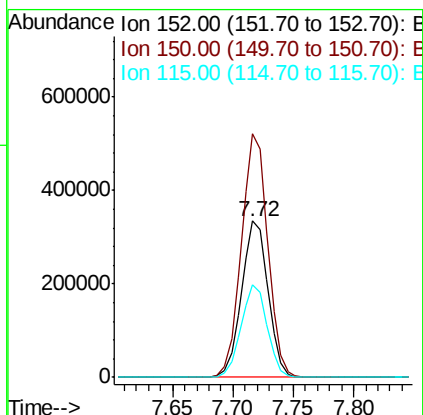
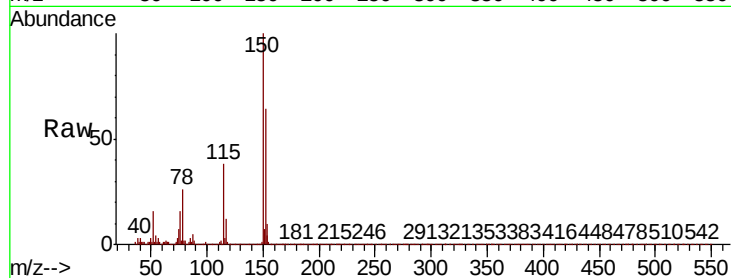


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 821
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Instrument :
BNA_P
ClientSampleId :
TP-2-D

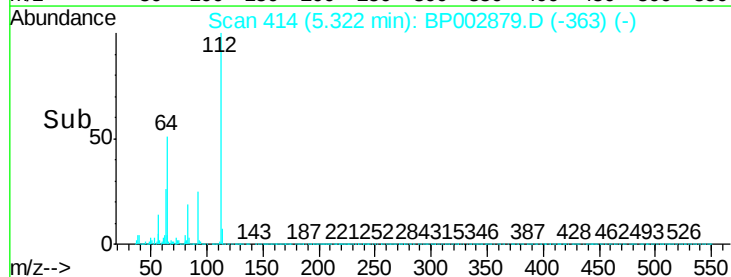
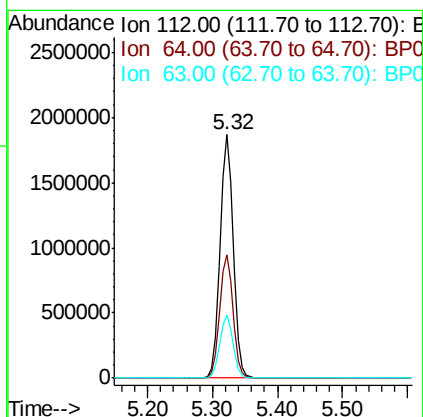
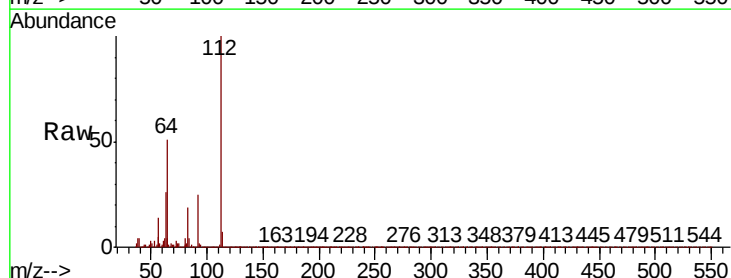
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.8	187.2
115	59.2	47.4	71.2

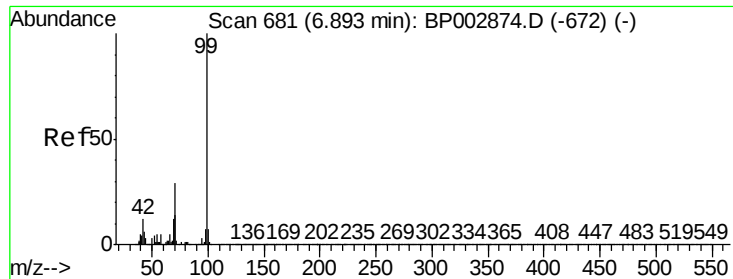


#5

2-Fluorophenol
Concen: 78.096 ng
RT: 5.32 min Scan# 414
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.8	41.0	61.6
63	25.8	20.7	31.1





#7

Phenol-d6

Concen: 72.091 ng

RT: 6.89 min Scan# 680

Delta R.T. -0.01 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Instrument :

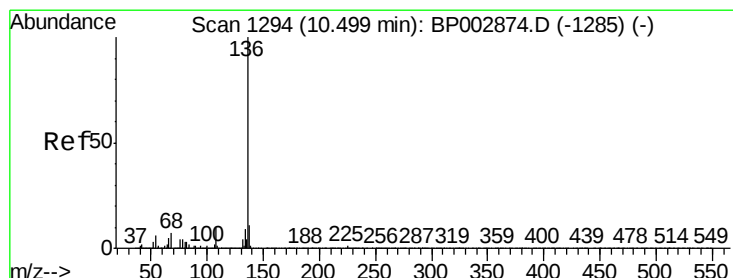
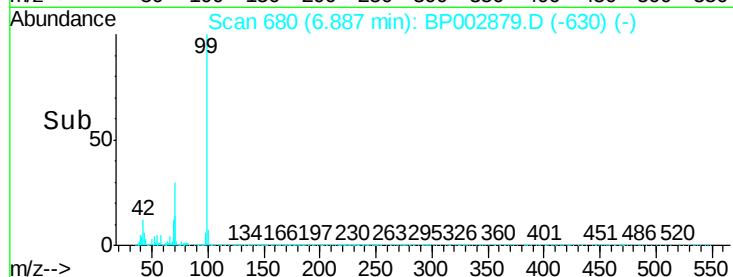
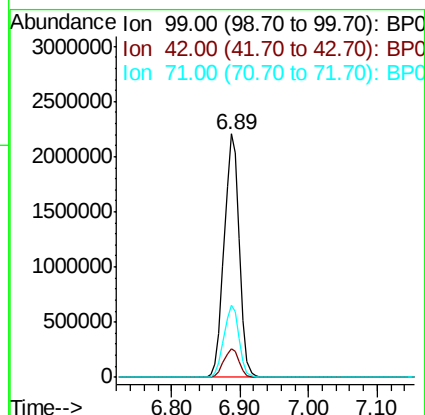
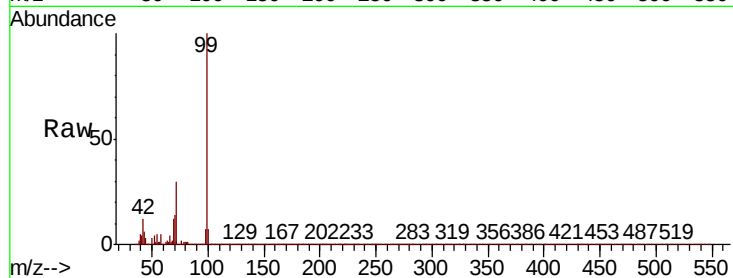
BNA_P

ClientSampleId :

TP-2-D

Tot Ion: 99 Resp: 3351595

Ion	Ratio	Lower	Upper
99	100		
42	11.9	9.3	13.9
71	29.9	23.5	35.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1294

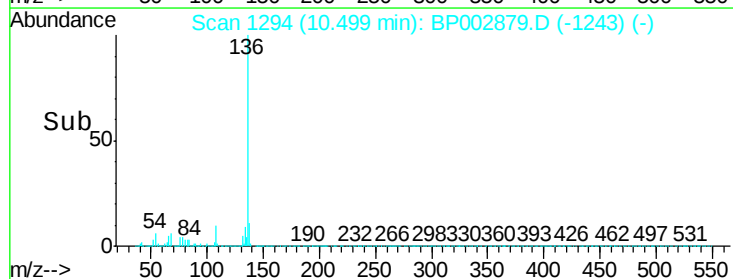
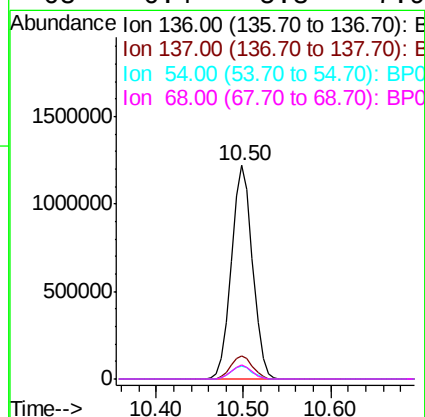
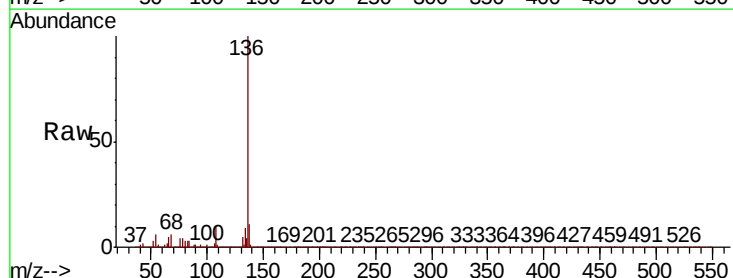
Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Tgt Ion: 136 Resp: 1999225

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	6.3	5.1	7.7
68	6.4	5.3	7.9

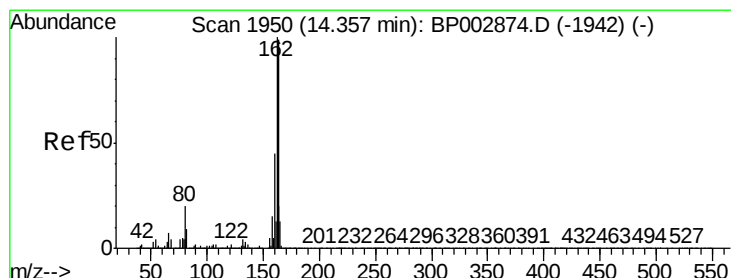
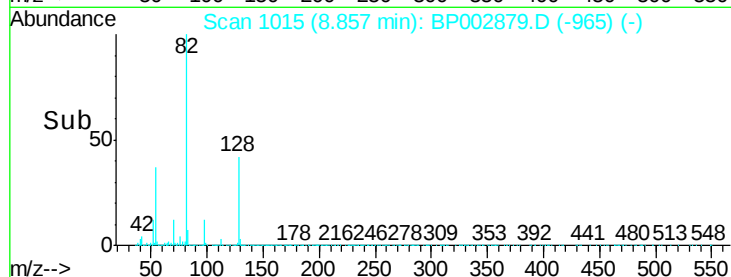
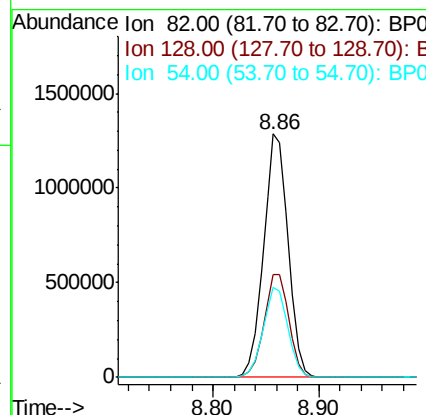
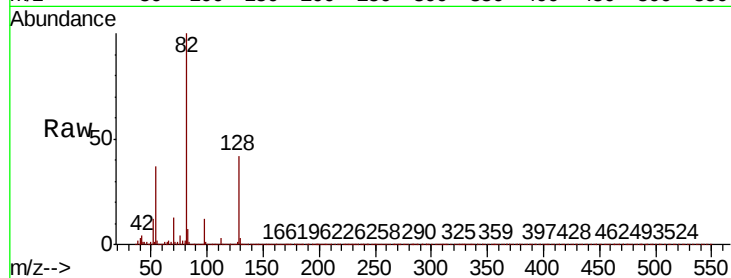




#23
Nitrobenzene-d5
Concen: 56.210 ng
RT: 8.86 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

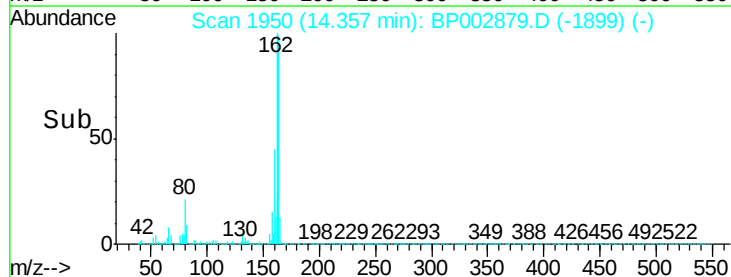
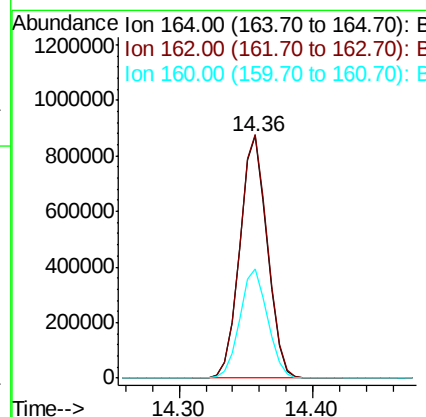
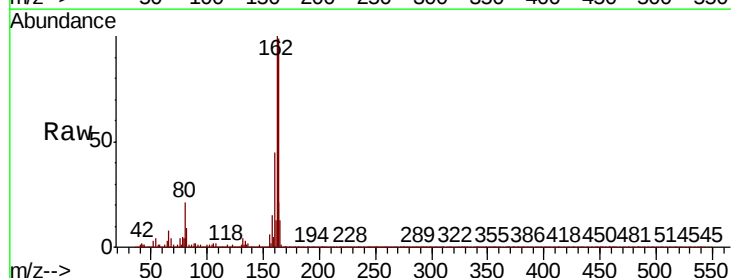
Instrument :
BNA_P
ClientSampleId :
TP-2-D

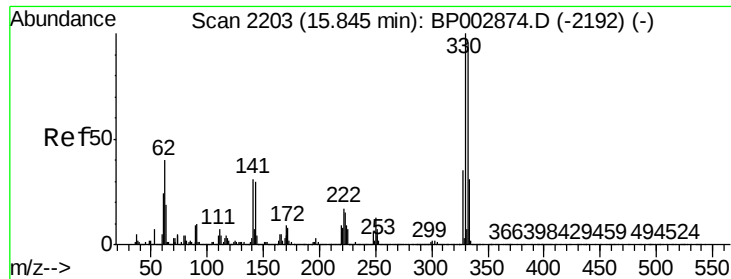
Tot Ion: 82 Resp: 2074804
Ion Ratio Lower Upper
82 100
128 42.1 34.6 52.0
54 36.8 29.5 44.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.36 min Scan# 1950
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Tgt Ion:164 Resp: 1237470
Ion Ratio Lower Upper
164 100
162 100.5 81.0 121.6
160 45.0 36.2 54.4

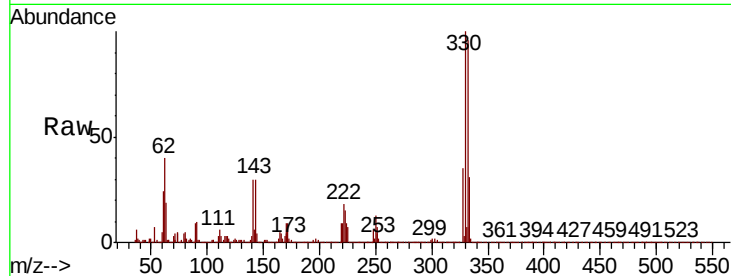




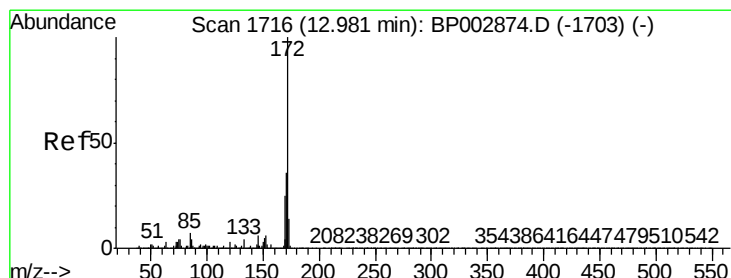
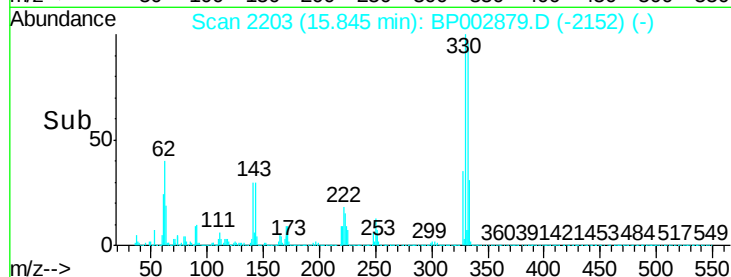
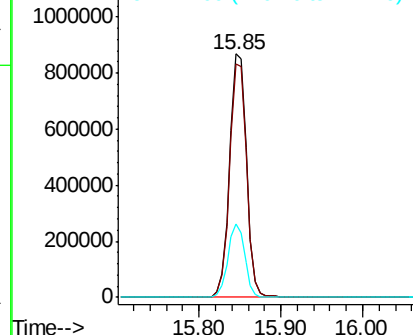
#42
2,4,6-Tribromophenol
Concen: 81.474 ng
RT: 15.85 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Instrument :
BNA_P
ClientSampleId :
TP-2-D

Tot Ion:330 Resp: 1253092
Ion Ratio Lower Upper
330 100
332 96.3 77.1 115.7
141 29.9 24.6 37.0

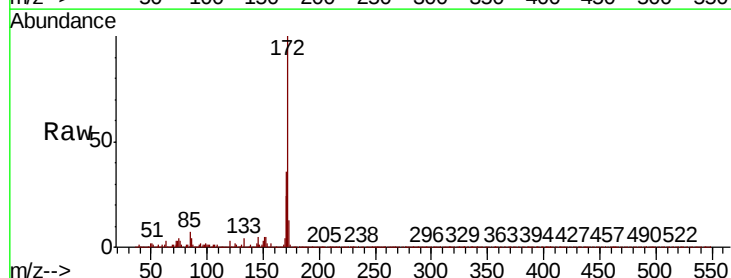


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

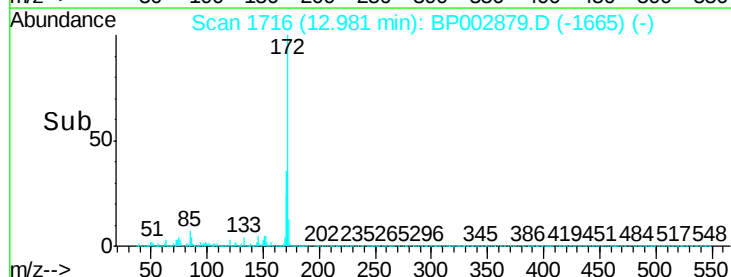
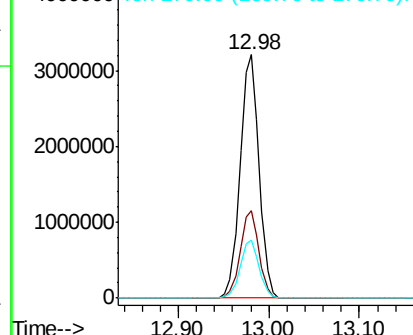


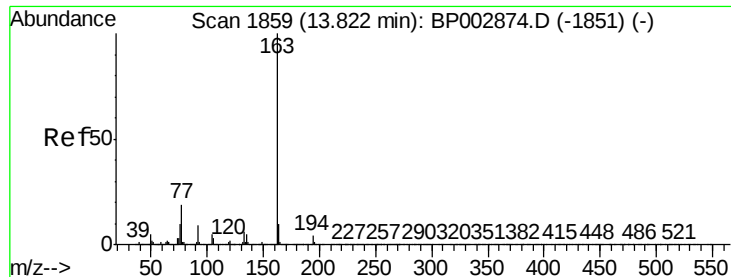
#45
2-Fluorobiphenyl
Concen: 51.568 ng
RT: 12.98 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Tgt Ion:172 Resp: 4670563
Ion Ratio Lower Upper
172 100
171 35.7 29.1 43.7
170 23.9 19.6 29.4



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





#50

Dimethylphthalate

Concen: 7.552 ng

RT: 13.82 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Instrument :

BNA_P

ClientSampleId :

TP-2-D

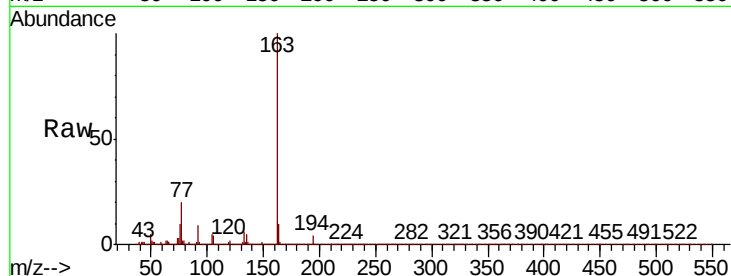
Tot Ion:163 Resp: 730941

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

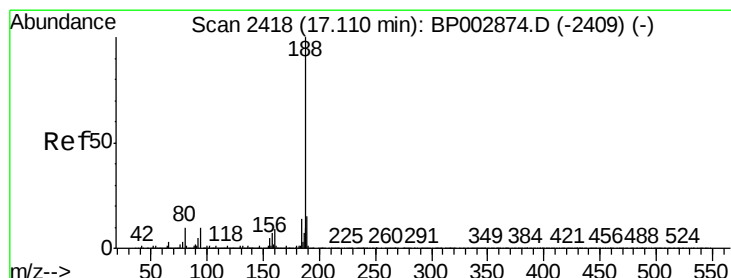
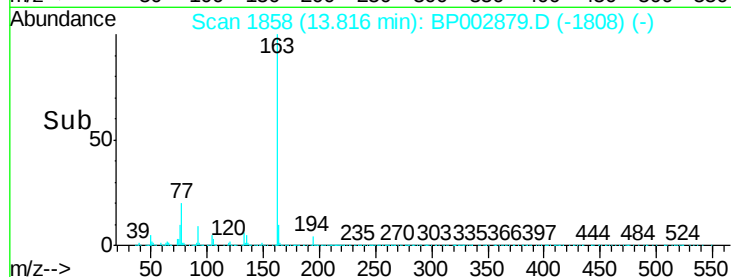
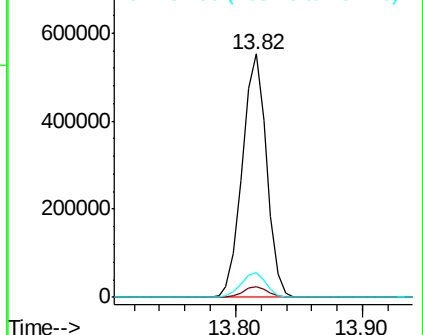
164 10.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.11 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

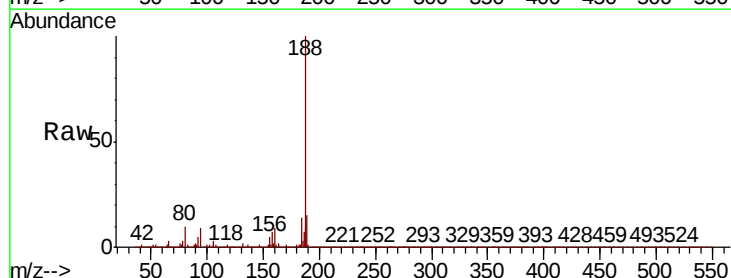
Tgt Ion:188 Resp: 2605368

Ion Ratio Lower Upper

188 100

94 9.3 7.8 11.6

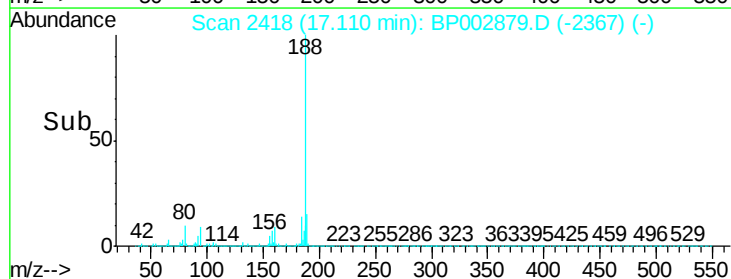
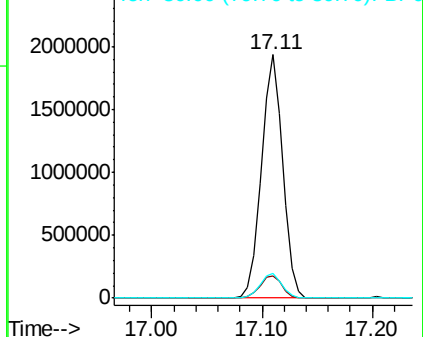
80 10.1 8.0 12.0

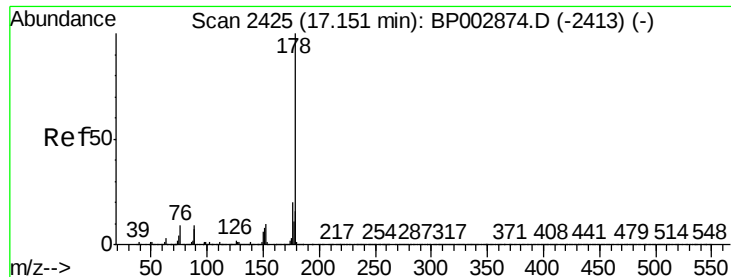


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#71

Phenanthrene

Concen: 2.494 ng

RT: 17.15 min Scan# 2425

Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Instrument :

BNA_P

ClientSampleId :

TP-2-D

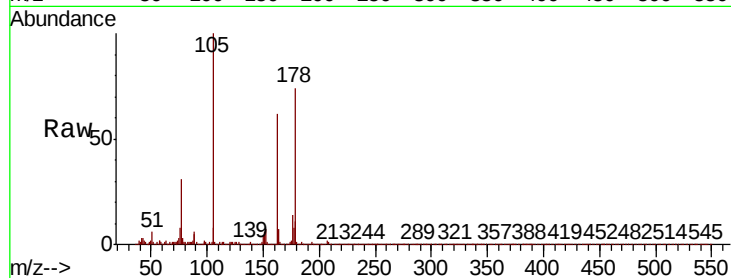
Tot Ion:178 Resp: 381049

Ion Ratio Lower Upper

178 100

176 19.4 16.1 24.1

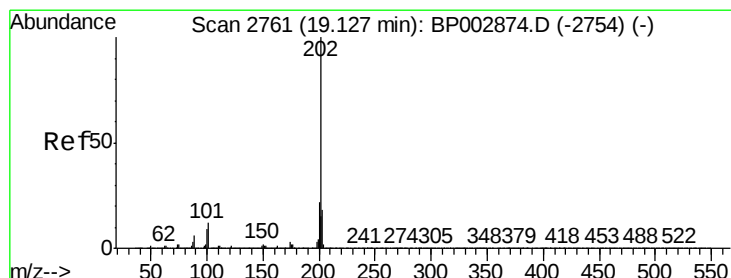
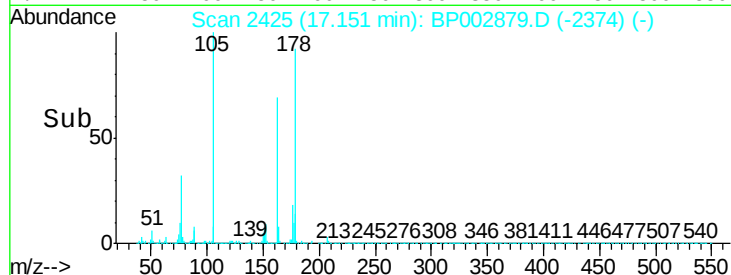
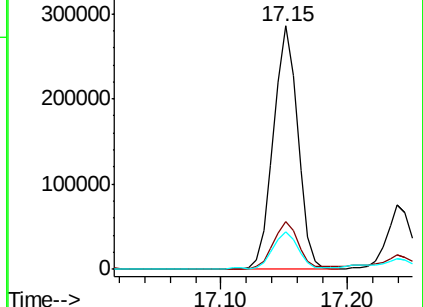
179 15.2 13.0 19.4



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: 4.421 ng

RT: 19.13 min Scan# 2761

Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

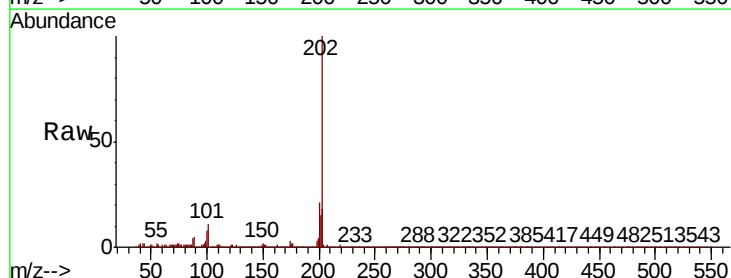
Tgt Ion:202 Resp: 778144

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.6

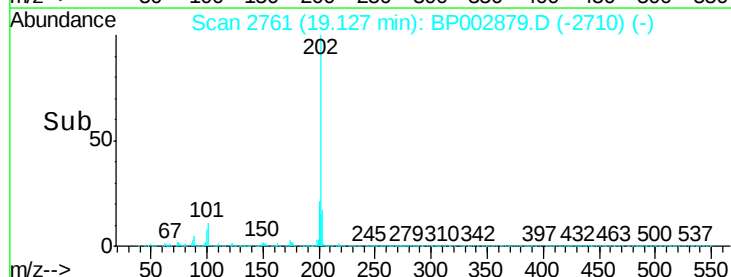
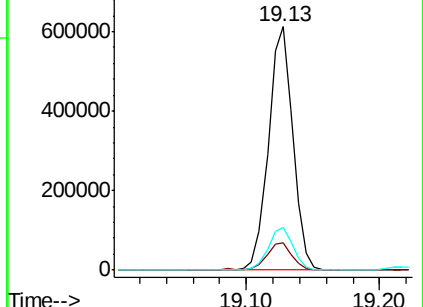
203 17.5 0.0 38.4

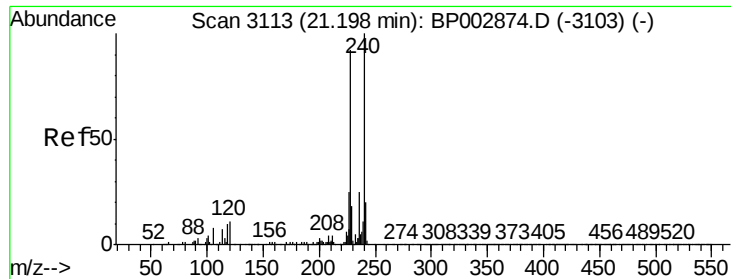


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

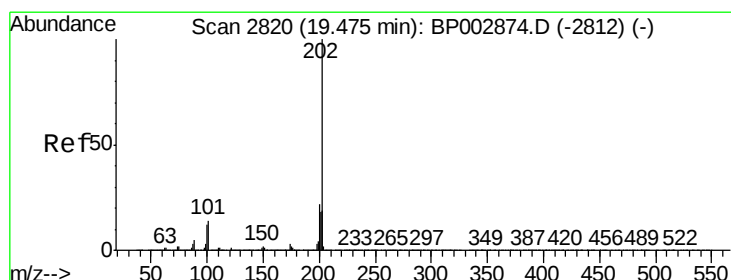
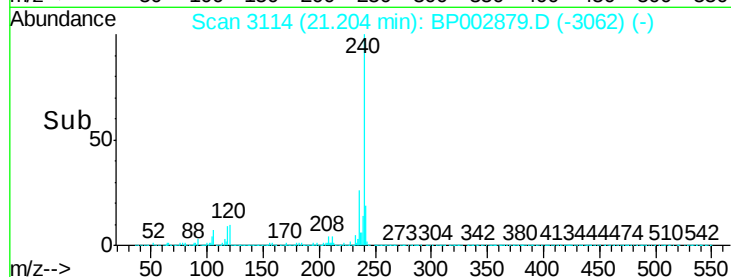
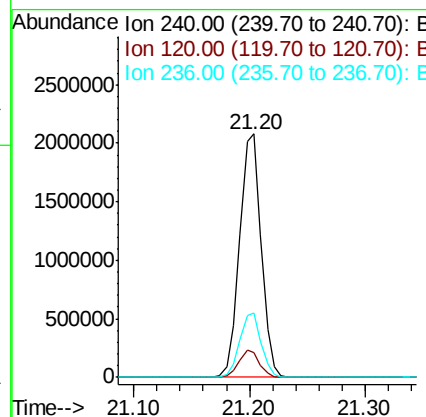
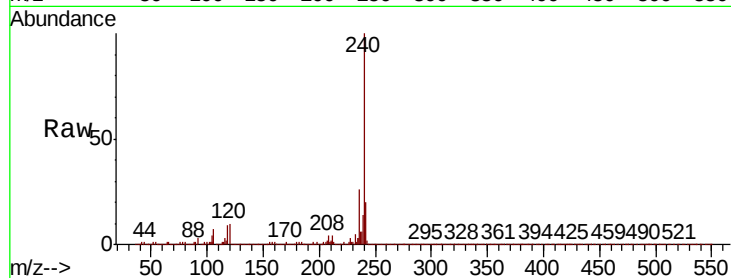




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.20 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

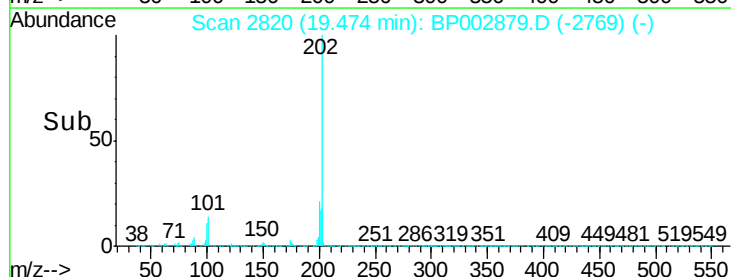
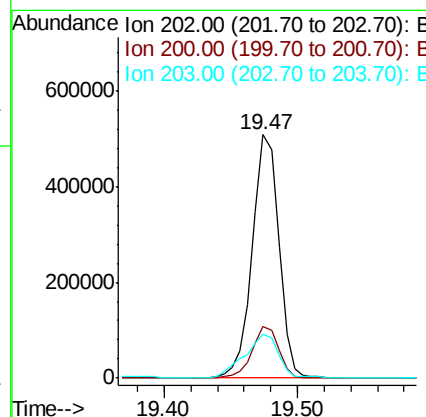
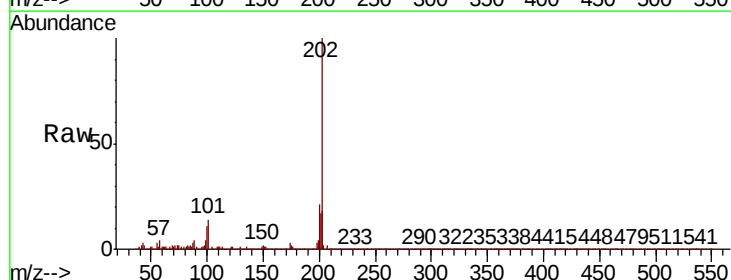
Instrument :
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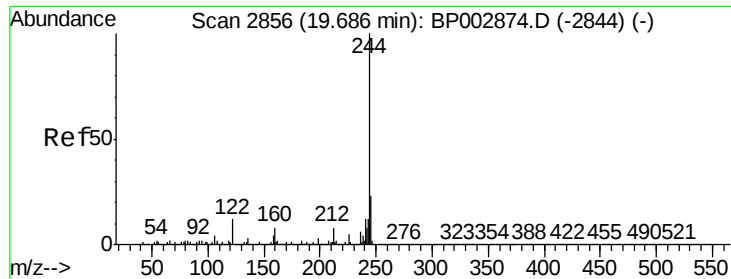
Tot Ion:240 Resp: 2686986
Ion Ratio Lower Upper
240 100
120 9.9 8.9 13.3
236 26.4 20.3 30.5



#78
Pyrene
Concen: 3.704 ng
RT: 19.47 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Tgt Ion:202 Resp: 695828
Ion Ratio Lower Upper
202 100
200 21.0 17.9 26.9
203 18.3 15.1 22.7





#79

Terphenyl-d14

Concen: 47.422 ng

RT: 19.69 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Instrument :

BNA_P

ClientSampleId :

TP-2-D

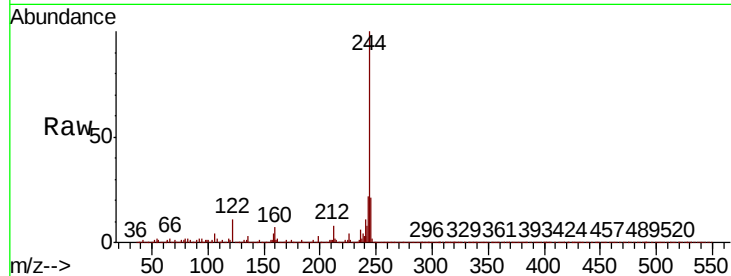
Tot Ion:244 Resp: 6364839

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

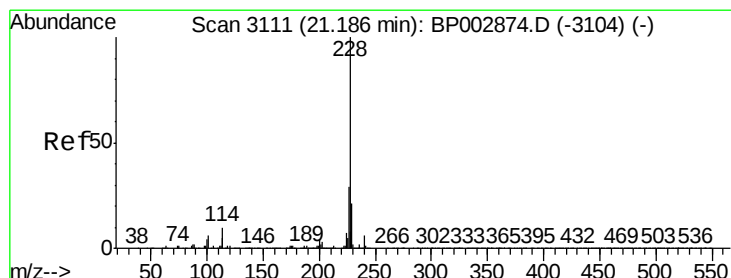
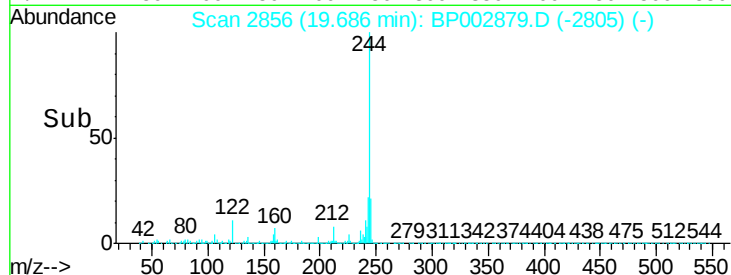
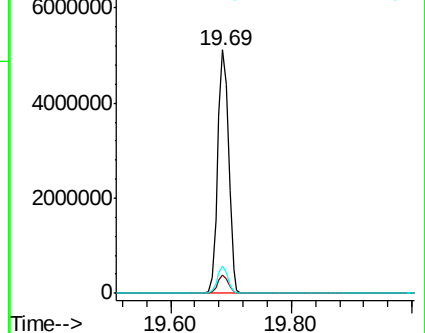
122 11.1 9.4 14.2



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: 2.433 ng

RT: 21.19 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

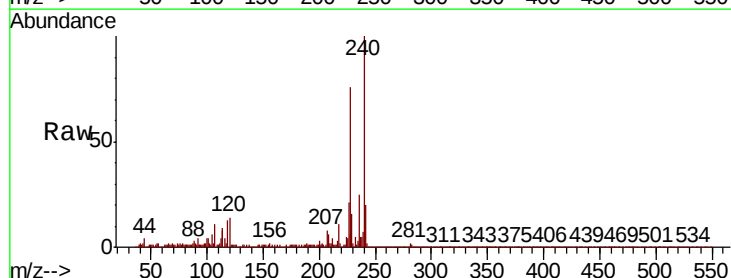
Tgt Ion:228 Resp: 445286

Ion Ratio Lower Upper

228 100

226 28.0 23.3 34.9

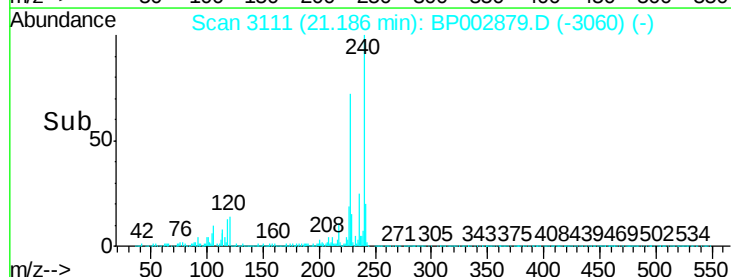
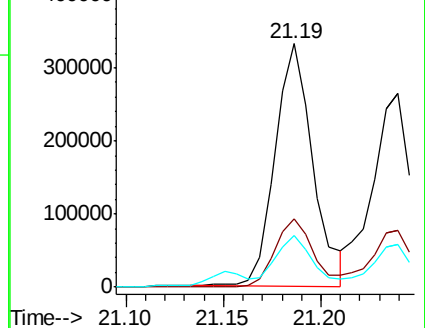
229 20.9 16.9 25.3

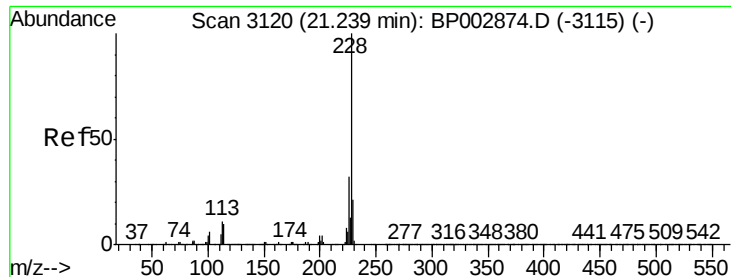


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.073 ng

RT: 21.24 min Scan# 3120

Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Instrument :

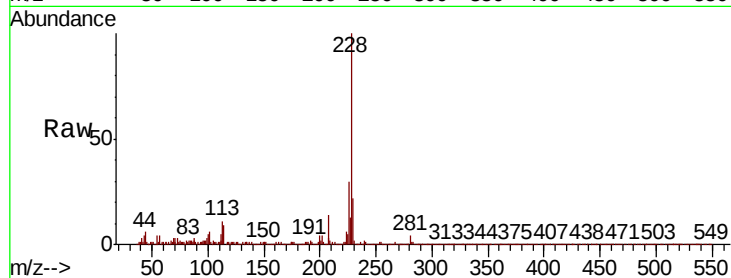
BNA_P

ClientSampleId :

TP-2-D

Tot Ion:228 Resp: 357837

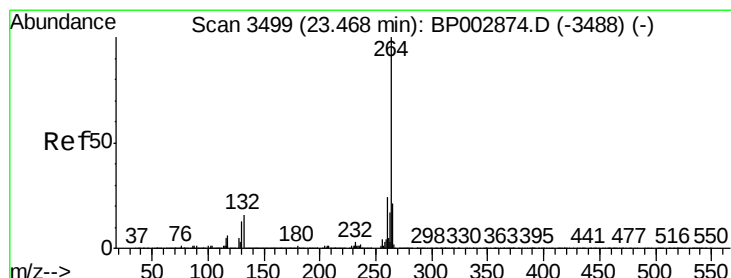
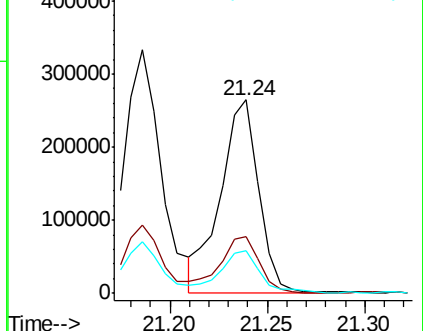
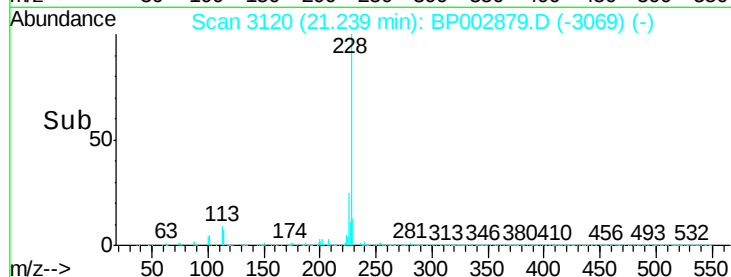
Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.5	38.3
229	22.0	16.7	25.1



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3499

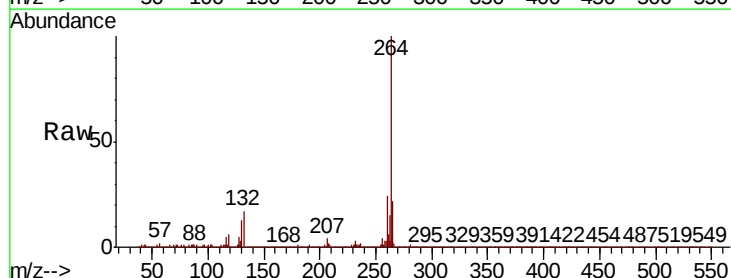
Delta R.T. -0.00 min

Lab File: BP002879.D

Acq: 30 Jul 2020 16:42

Tgt Ion:264 Resp: 2850205

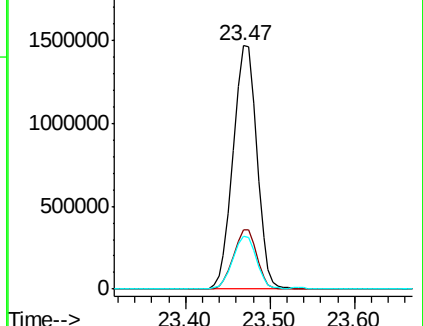
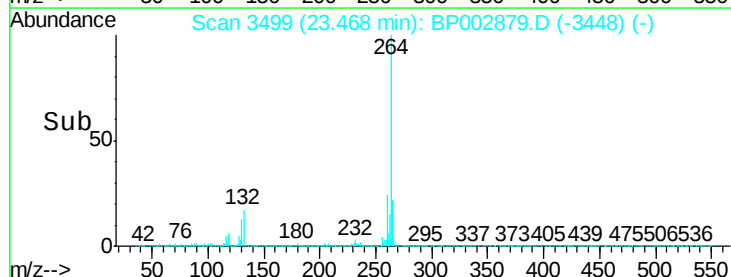
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.6
265	22.0	17.0	25.4

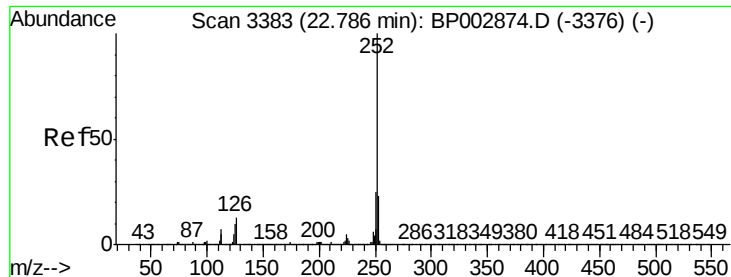


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

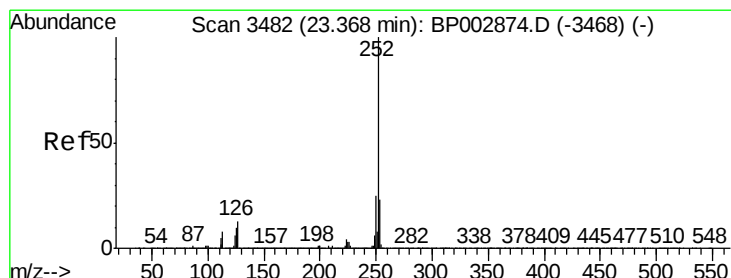
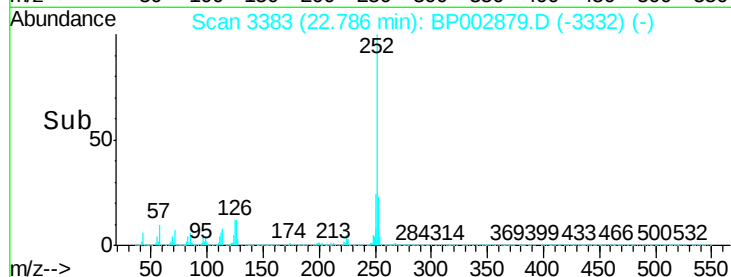
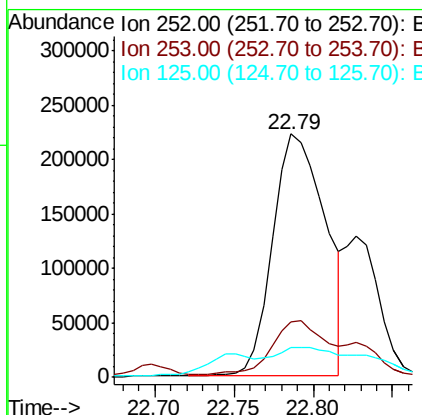
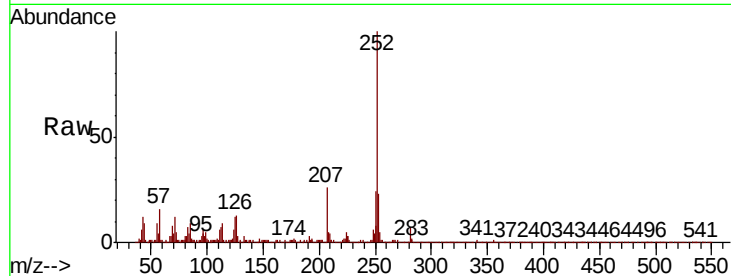




#88
Benzo(b)fluoranthene
Concen: 2.560 ng
RT: 22.79 min Scan# 3383
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Instrument :
BNA_P
ClientSampleId :
TP-2-D

Tot Ion:252 Resp: 514817
Ion Ratio Lower Upper
252 100
253 22.9 18.3 27.5
125 12.2 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 2.064 ng
RT: 23.37 min Scan# 3482
Delta R.T. -0.00 min
Lab File: BP002879.D
Acq: 30 Jul 2020 16:42

Tgt Ion:252 Resp: 375070
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.7 8.3 12.5

