

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012720\
 Data File : BP001698.D
 Acq On : 27 Jan 2020 19:12
 Operator : CG/JU
 Sample : L1242-14RX
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 28 03:25:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 24 22:23:46 2020
 Response via : Initial Calibration

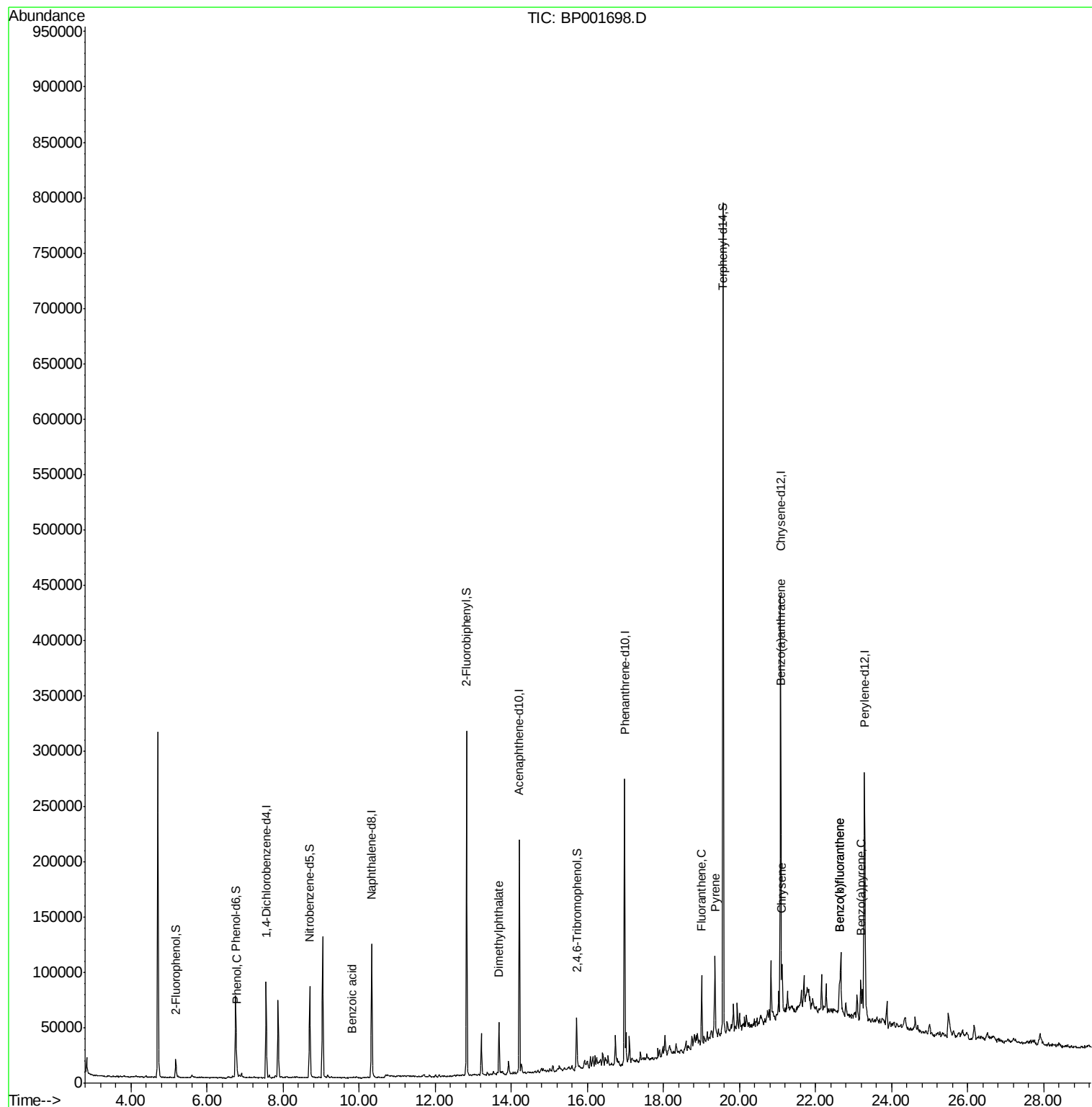
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	18271	20.00	ng	-0.01
21) Naphthalene-d8	10.33	136	83121	20.00	ng	-0.01
39) Acenaphthene-d10	14.21	164	63939	20.00	ng	-0.01
64) Phenanthrene-d10	16.97	188	148464	20.00	ng	-0.01
76) Chrysene-d12	21.08	240	148376	20.00	ng	-0.01
87) Perylene-d12	23.29	264	180164	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	6219	6.67	ng	0.00
7) Phenol-d6	6.75	99	33797	22.67	ng	-0.01
23) Nitrobenzene-d5	8.70	82	42195	22.18	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	7490	7.70	ng	-0.01
45) 2-Fluorobiphenyl	12.82	172	136912	31.48	ng	-0.02
79) Terphenyl-d14	19.56	244	302823	37.33	ng	-0.02
Target Compounds						
10) Phenol	6.78	94	3704	2.402	ng	95
32) Benzoic acid	9.80	122	6	4.709	ng	# 5
50) Dimethylphthalate	13.67	163	26080	4.952	ng	98
75) Fluoranthene	19.00	202	35066	3.301	ng	98
78) Pyrene	19.35	202	43501	3.991	ng	98
81) Benzo(a)anthracene	21.07	228	24722	2.392	ng	# 87
83) Chrysene	21.12	228	26687	2.650	ng	93
88) Benzo(b)fluoranthene	22.63	252	38566	3.397	ng	# 93
89) Benzo(k)fluoranthene	22.63	252	38566	3.484	ng	# 94
90) Benzo(a)pyrene	23.18	252	25834	2.397	ng	# 98

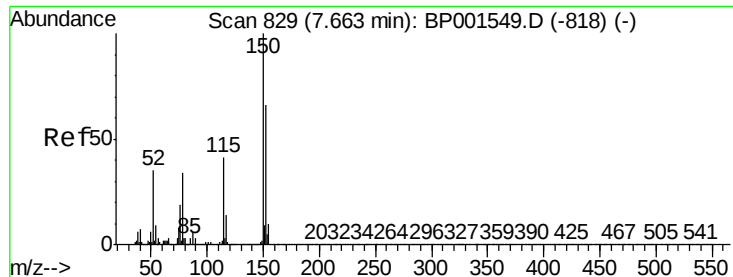
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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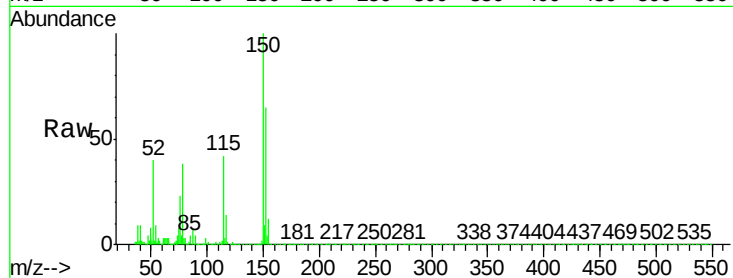


#1

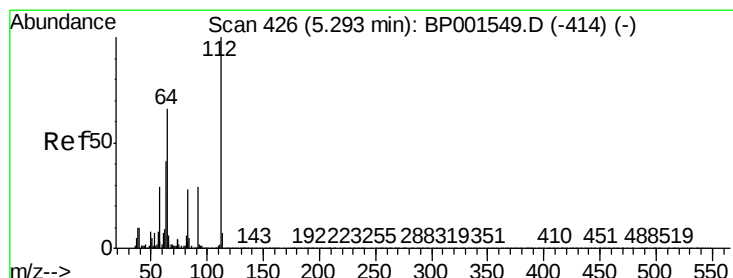
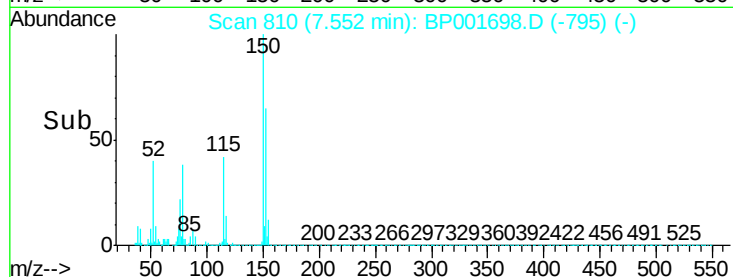
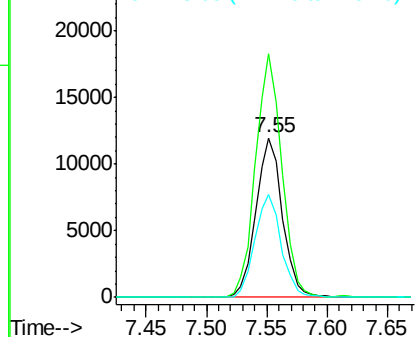
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 810
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

Instrument :
BNA_P
ClientSampled :

Tot Ion	152	Resp	18271
Ion Ratio	Lower	Upper	
152	100		
150	153.0	122.0	183.0
115	64.6	50.7	76.1



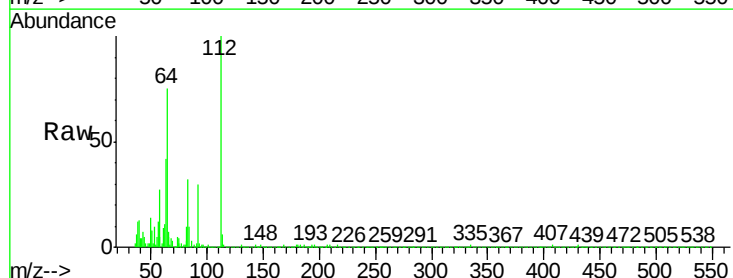
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



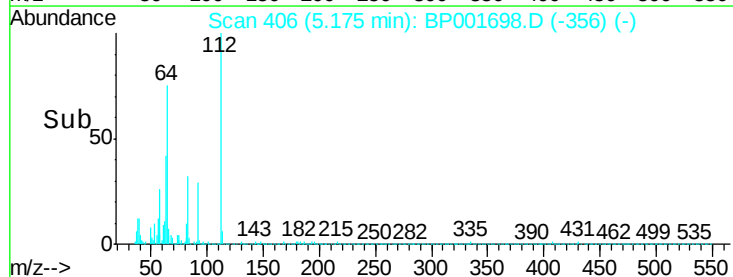
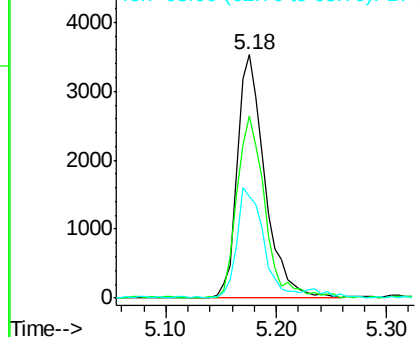
#5

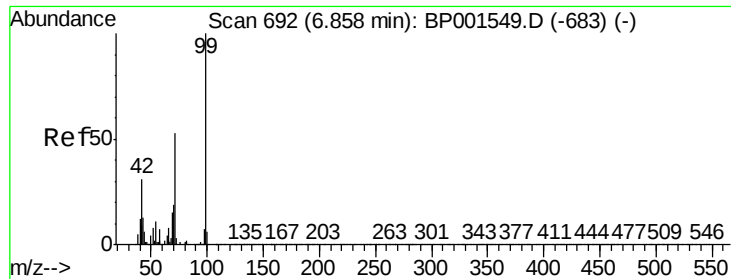
2-Fluorophenol
Concen: 6.668 ng
RT: 5.18 min Scan# 406
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

Tgt Ion	112	Resp	6219
Ion Ratio	Lower	Upper	
112	100		
64	74.8	52.8	79.2
63	41.9	33.1	49.7



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: 22.672 ng

RT: 6.75 min Scan# 674

Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

Instrument :

BNA_P

ClientSampleId :

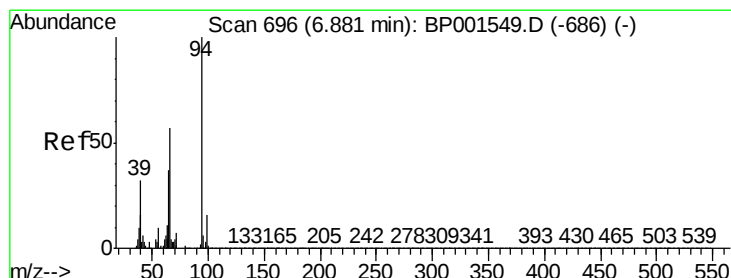
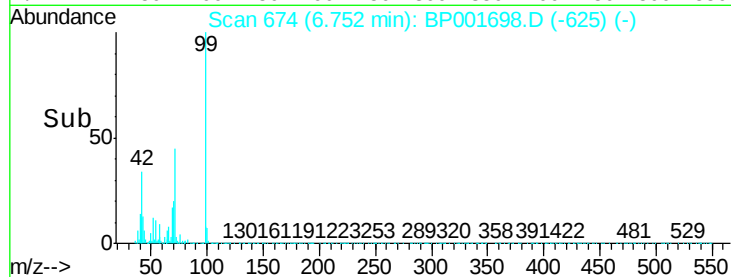
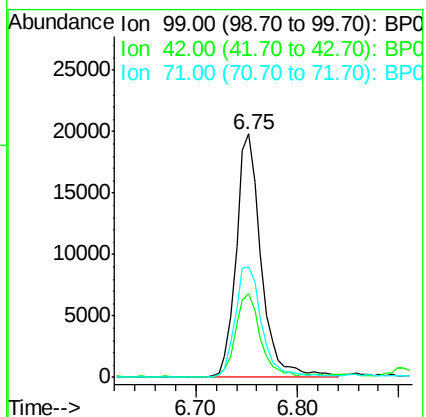
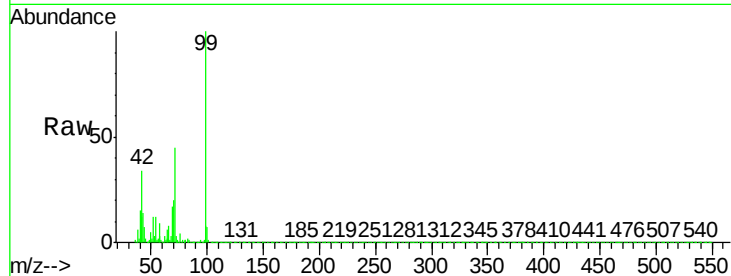
Tot Ion: 99 Resp: 33797

Ion Ratio Lower Upper

99 100

42 34.4 24.5 36.7

71 45.5 42.4 63.6



#10

Phenol

Concen: 2.402 ng

RT: 6.78 min Scan# 678

Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

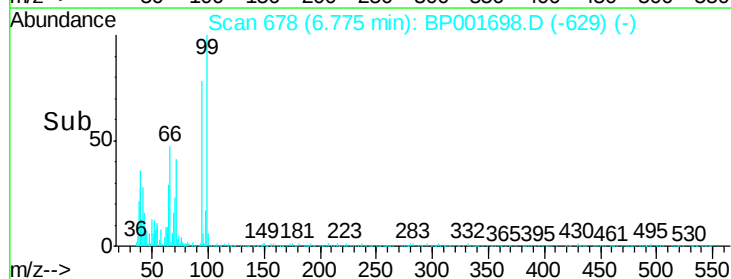
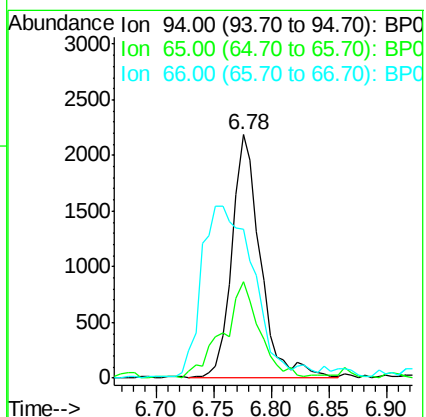
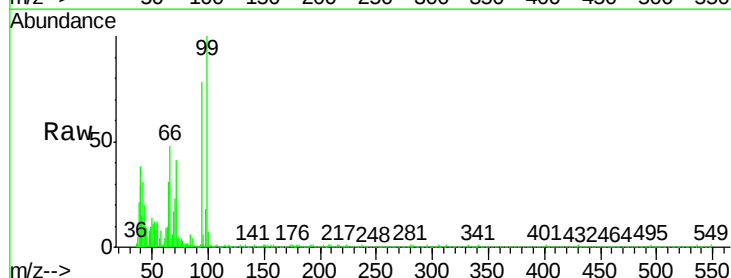
Tgt Ion: 94 Resp: 3704

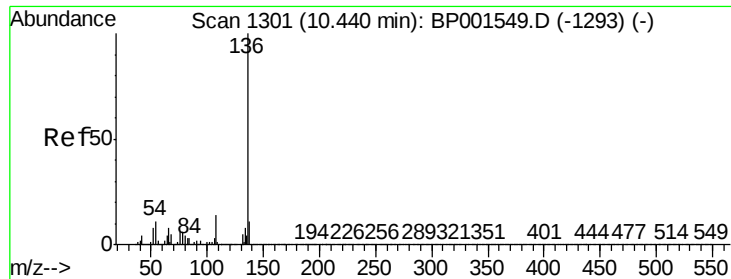
Ion Ratio Lower Upper

94 100

65 39.7 17.5 57.5

66 61.1 36.7 76.7

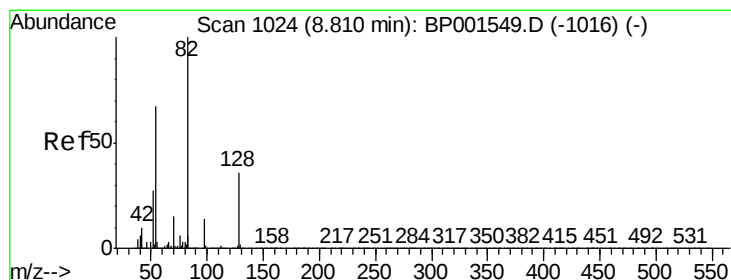
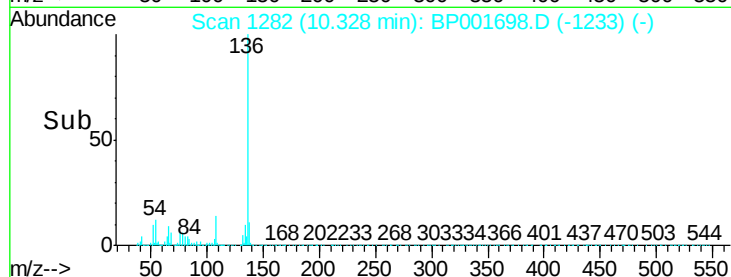
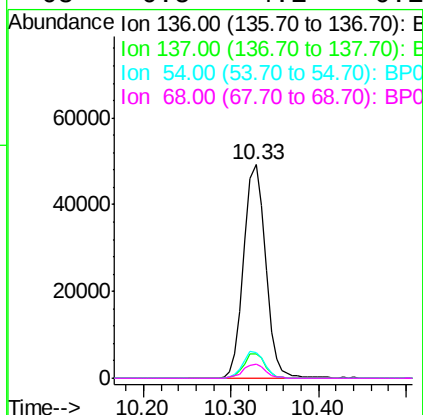
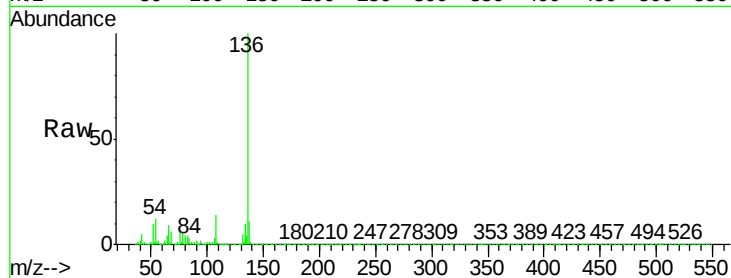




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

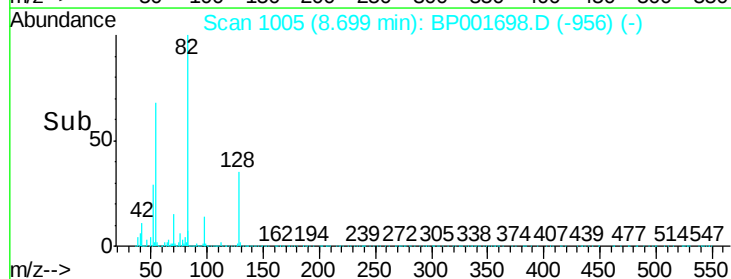
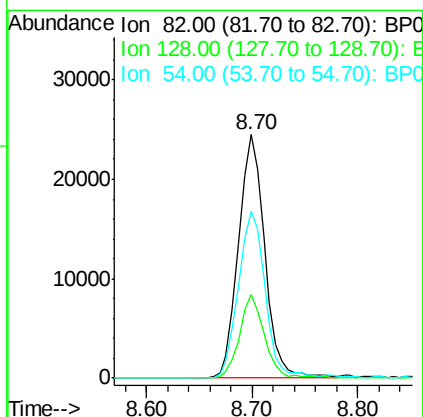
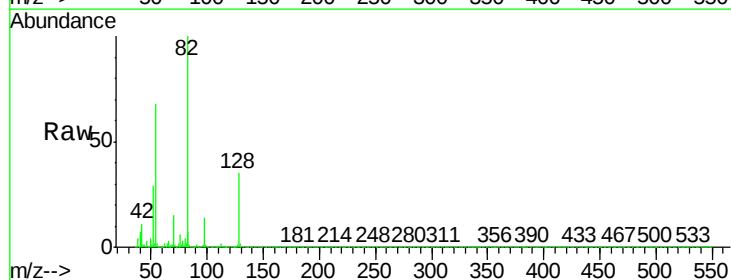
Instrument :
BNA_P
ClientSampleId :

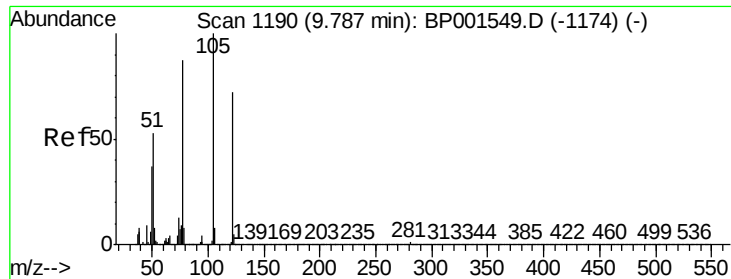
Tot Ion:136	Resp:	83121
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.6 12.8
54	12.0	9.2 13.8
68	6.5	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 22.182 ng
RT: 8.70 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

Tgt Ion: 82	Resp:	42195
Ion Ratio	Lower	Upper
82	100	
128	34.5	28.4 42.6
54	68.3	53.4 80.2

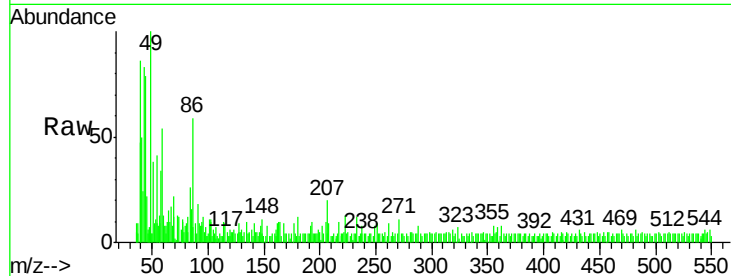




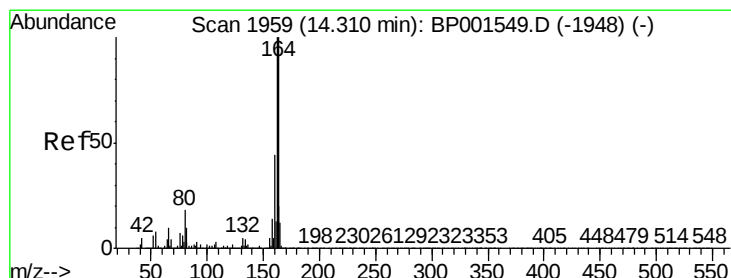
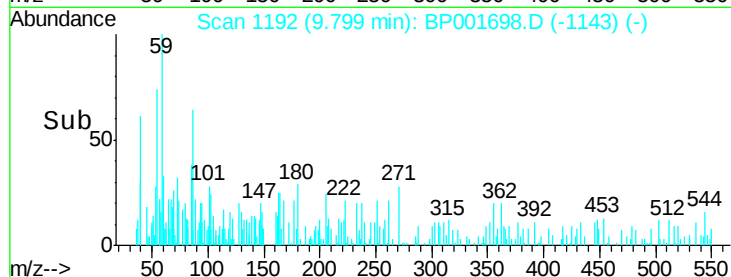
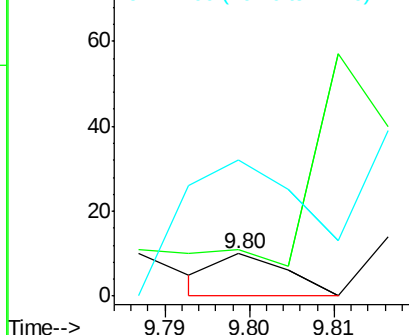
#32
Benzoic acid
Concen: 4.709 ng
RT: 9.80 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion:122 Resp: 6
Ion Ratio Lower Upper
122 100
105 110.0 119.5 159.5#
77 320.0 102.8 142.8#

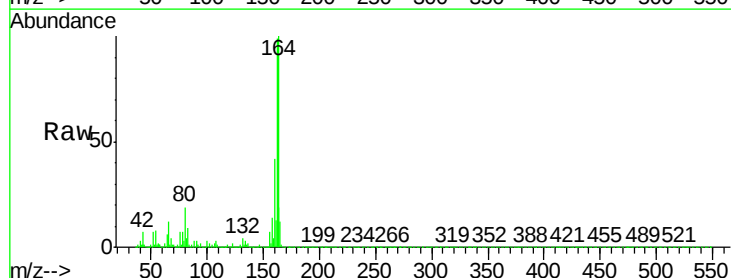


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BPO

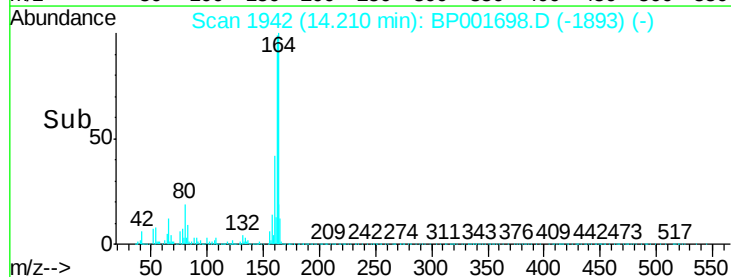
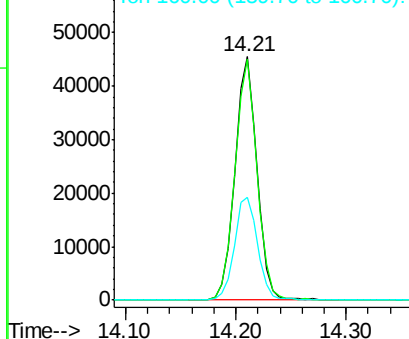


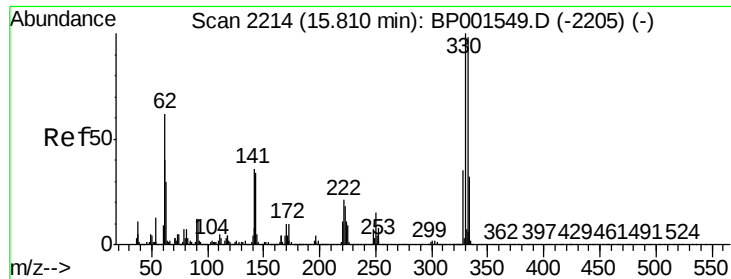
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

Tgt Ion:164 Resp: 63939
Ion Ratio Lower Upper
164 100
162 99.1 79.8 119.6
160 42.3 35.0 52.6



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

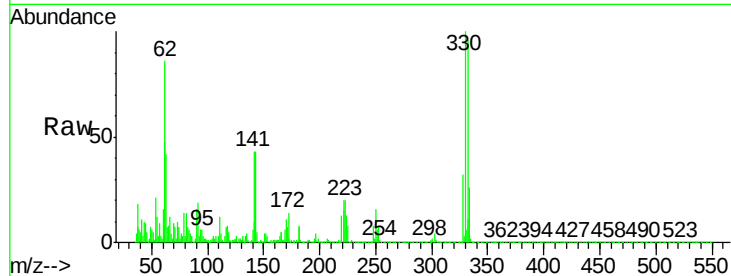




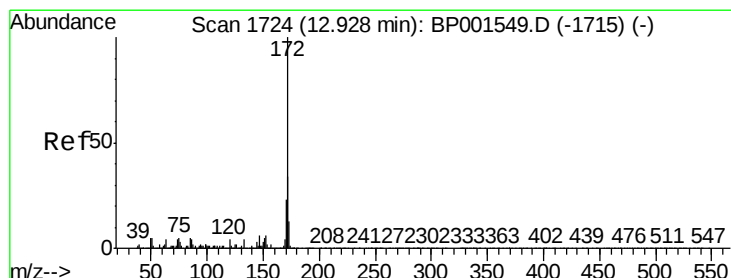
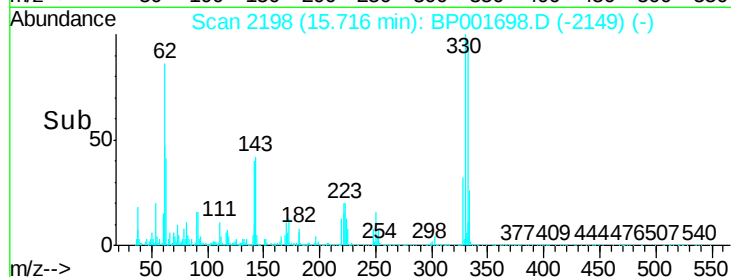
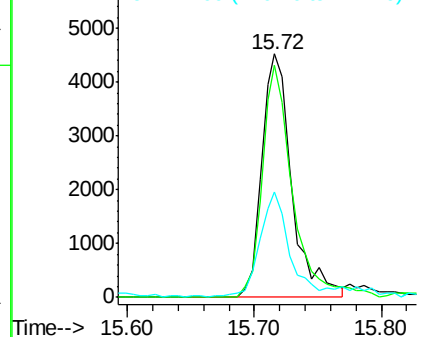
#42
 2,4,6-Tribromophenol
 Concen: 7.696 ng
 RT: 15.72 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BP001698.D
 Acq: 27 Jan 2020 19:12

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:330 Resp: 7490
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.8 116.6
 141 42.9 28.7 43.1

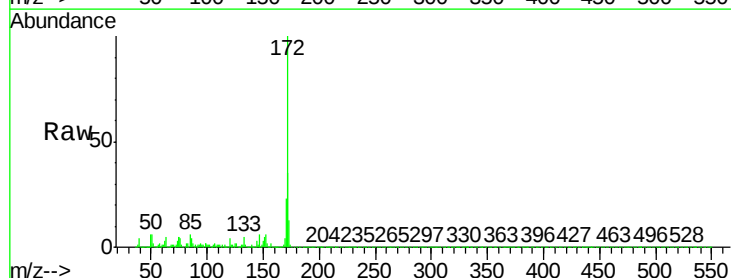


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

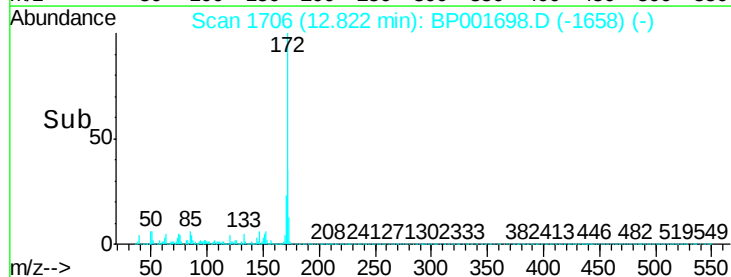
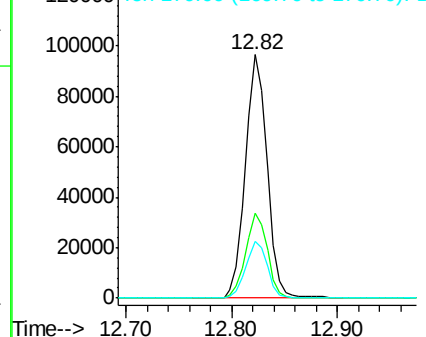


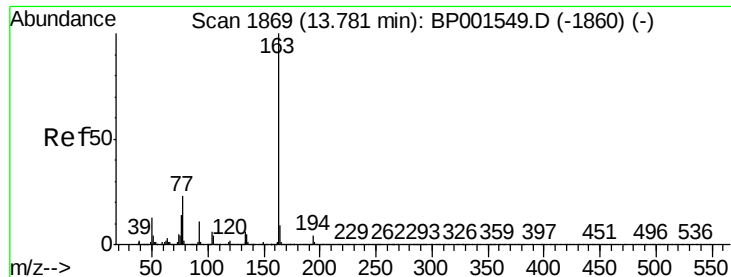
#45
 2-Fluorobiphenyl
 Concen: 31.483 ng
 RT: 12.82 min Scan# 1706
 Delta R.T. -0.02 min
 Lab File: BP001698.D
 Acq: 27 Jan 2020 19:12

Tgt Ion:172 Resp: 136912
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.6 41.4
 170 23.5 18.3 27.5



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: 4.952 ng

RT: 13.67 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

Instrument :

BNA_P

ClientSampleId :

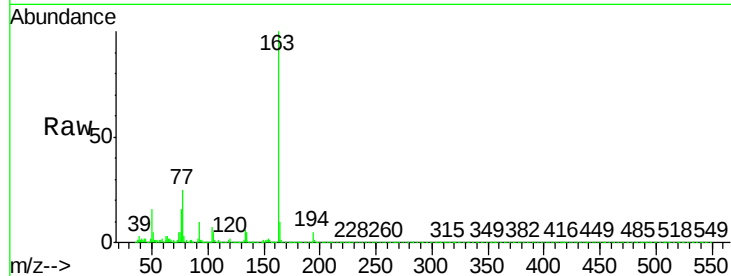
Tot Ion:163 Resp: 26080

Ion Ratio Lower Upper

163 100

194 4.7 3.6 5.4

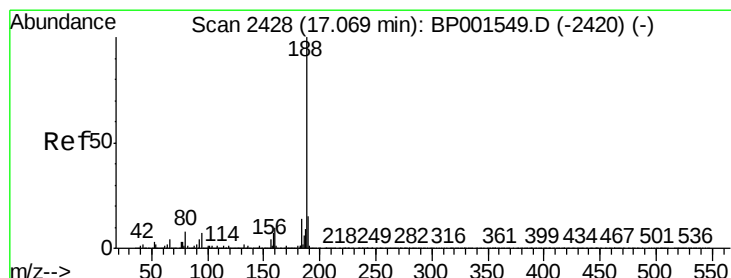
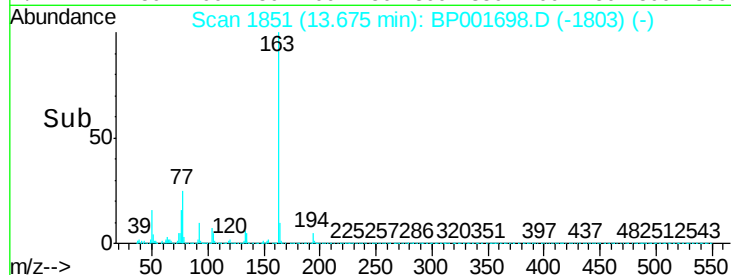
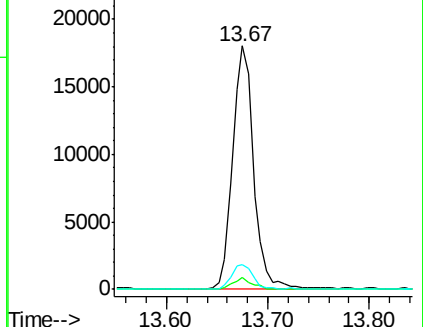
164 10.4 7.5 11.3



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: 16.97 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

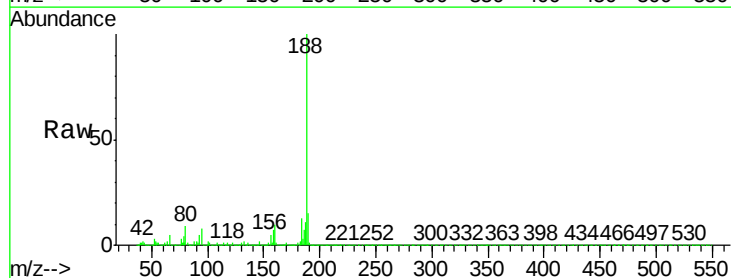
Tgt Ion:188 Resp: 148464

Ion Ratio Lower Upper

188 100

94 8.1 5.9 8.9

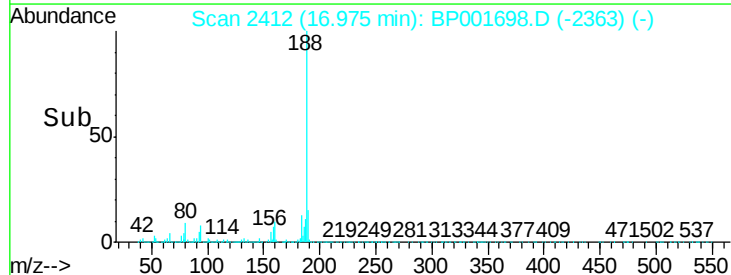
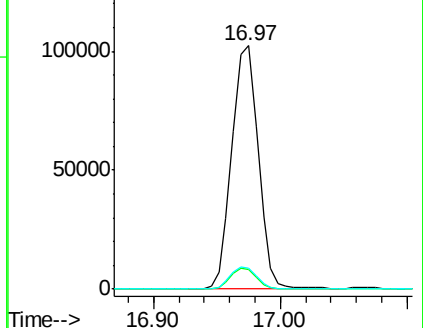
80 8.6 6.8 10.2

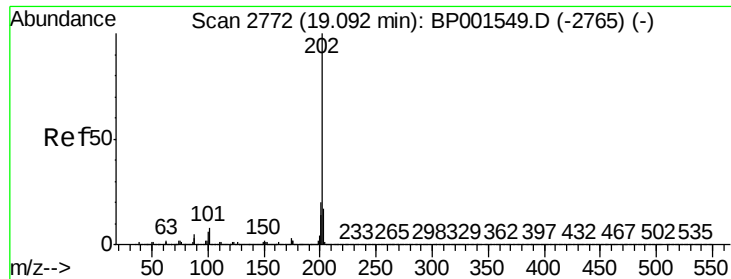


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0





#75

Fluoranthene

Concen: 3.301 ng

RT: 19.00 min Scan# 2756

Delta R.T. -0.02 min

Lab File: BP001698.D

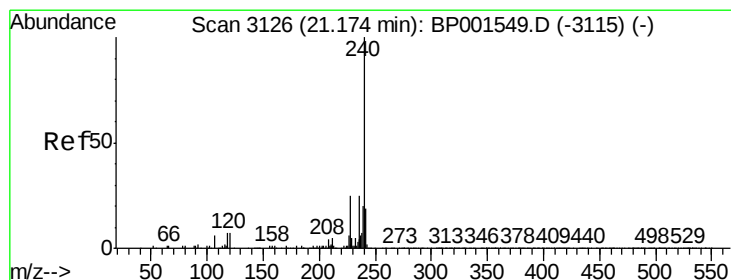
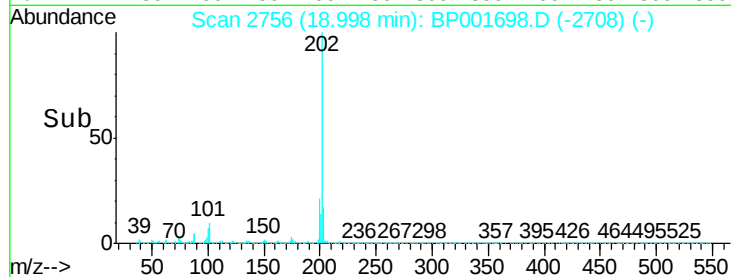
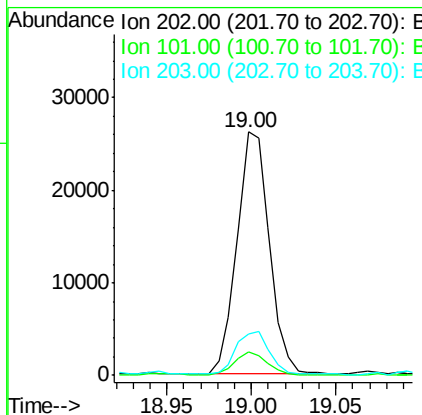
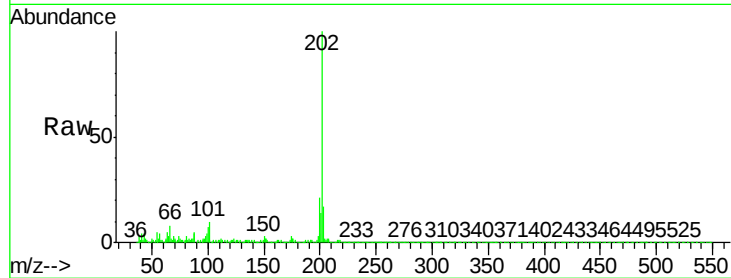
Acq: 27 Jan 2020 19:12

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	35066
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	28.4
203	17.0	0.0	37.4



#76

Chrysene-d12

Concen: 20.000 ng

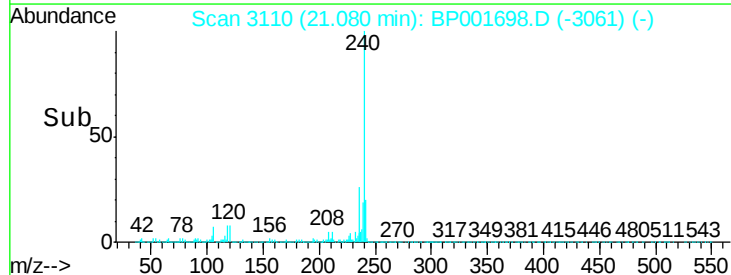
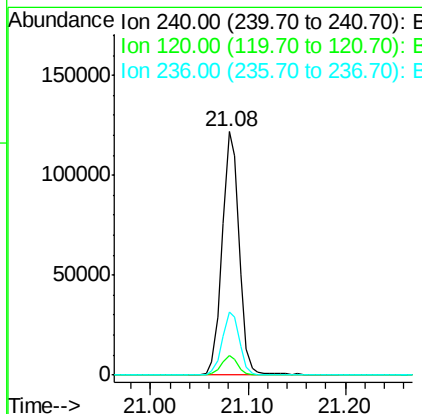
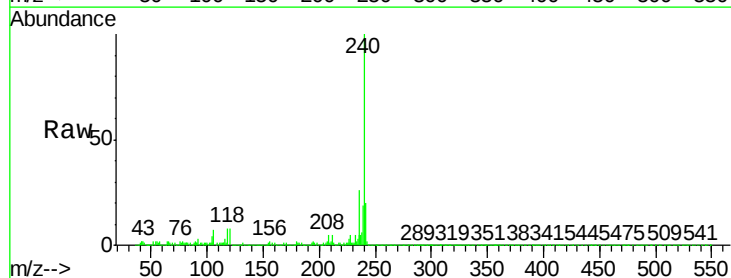
RT: 21.08 min Scan# 3110

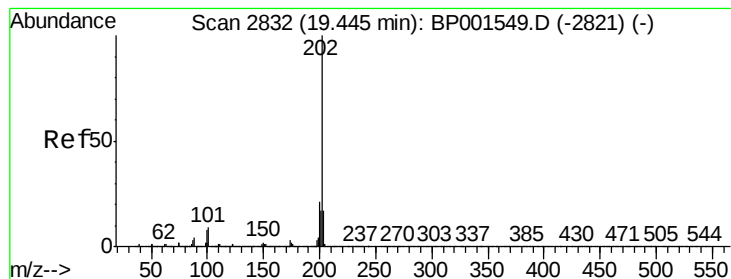
Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

Tgt Ion:	240	Resp:	148376
Ion Ratio	Lower	Upper	
240	100		
120	7.8	5.7	8.5
236	26.0	20.4	30.6





#78

Pvrene

Concen: 3.991 ng

RT: 19.35 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

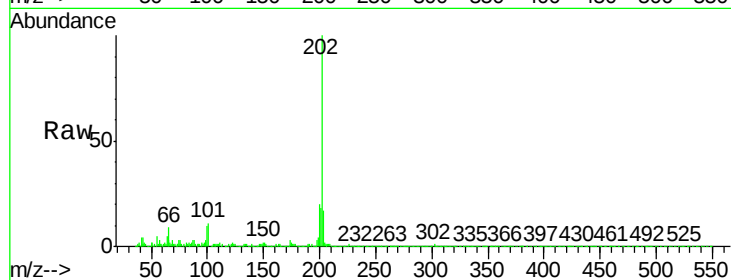
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 43501

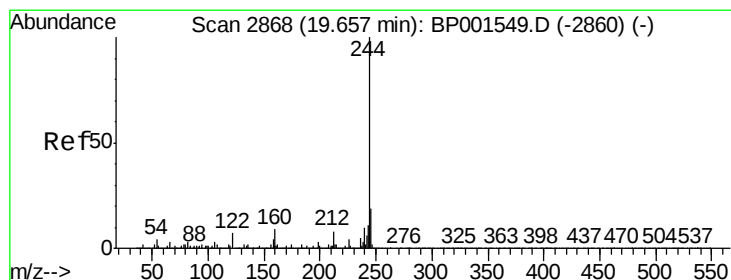
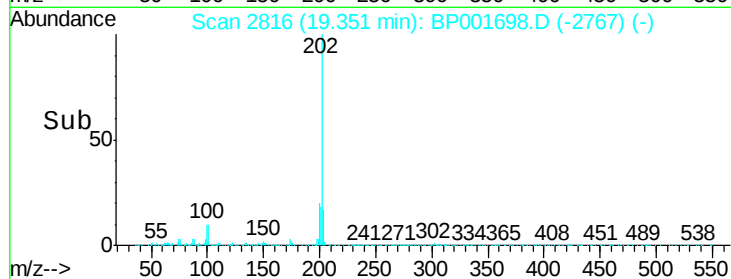
Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.0	25.6
203	17.0	13.7	20.5



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: 37.329 ng

RT: 19.56 min Scan# 2852

Delta R.T. -0.02 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

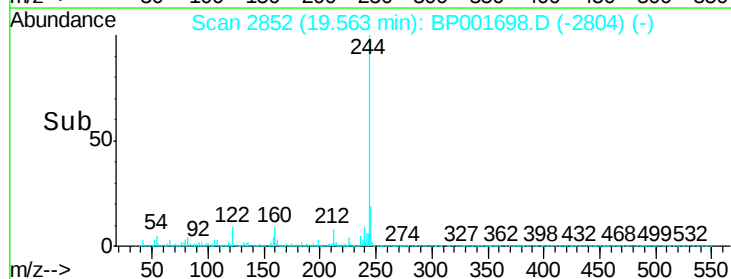
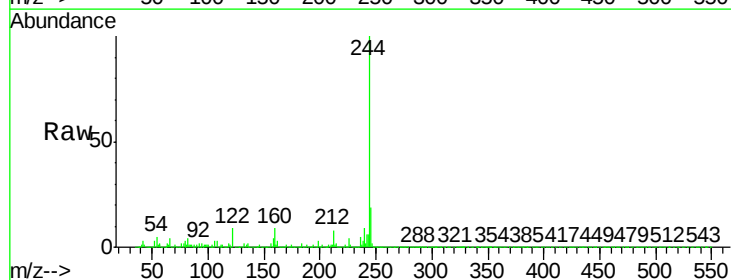
Tgt Ion:244 Resp: 302823

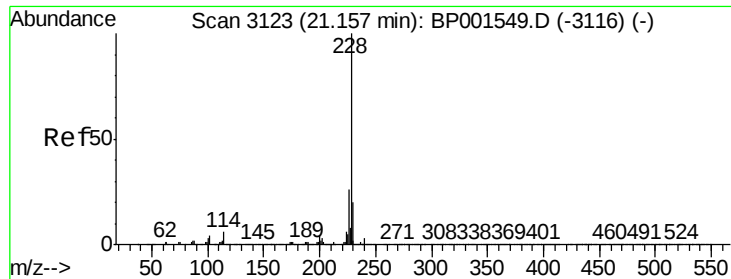
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	8.5	5.8	8.6

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

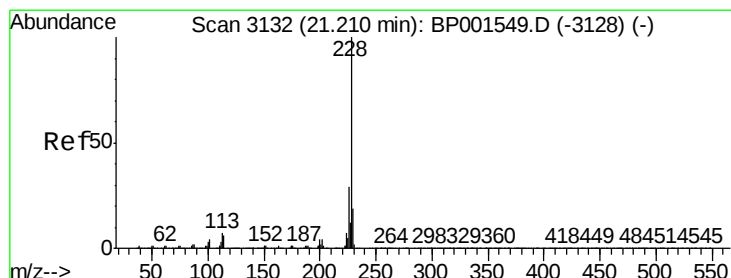
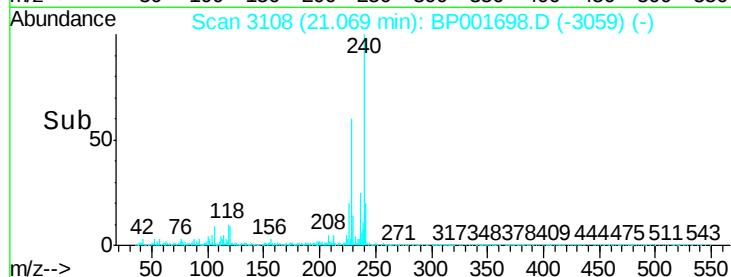
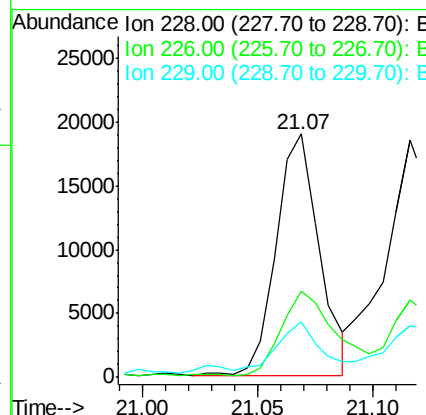
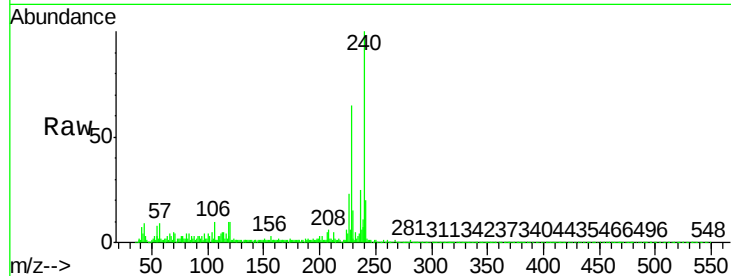




#81
Benzo(a)anthracene
Concen: 2.392 ng
RT: 21.07 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

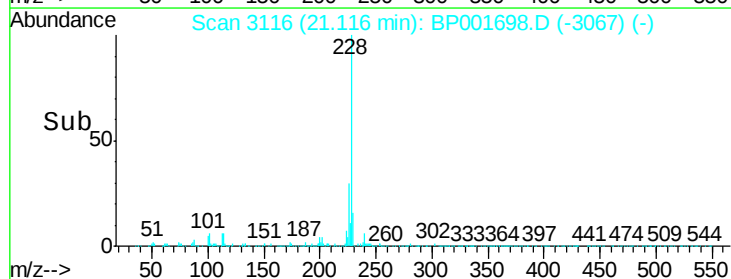
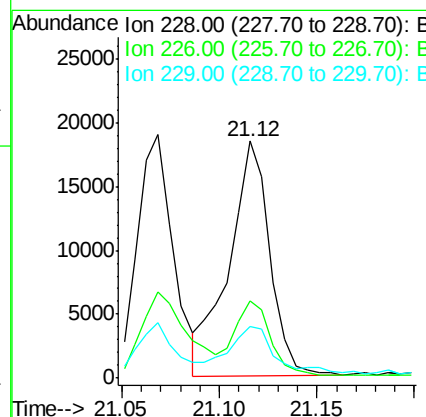
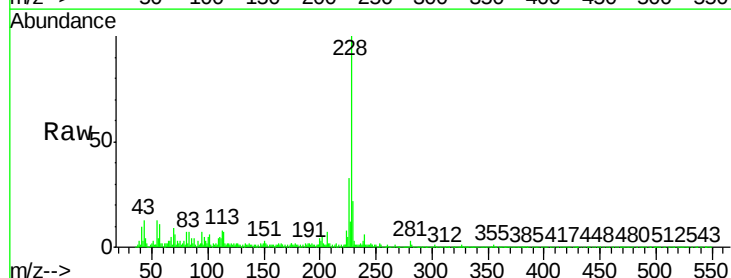
Instrument :
BNA_P
ClientSampled :

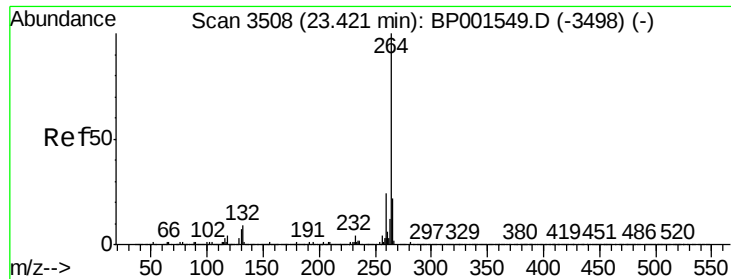
Tot Ion:228 Resp: 24722
Ion Ratio Lower Upper
228 100
226 35.5 21.2 31.8#
229 22.8 16.1 24.1



#83
Chrysene
Concen: 2.650 ng
RT: 21.12 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BP001698.D
Acq: 27 Jan 2020 19:12

Tgt Ion:228 Resp: 26687
Ion Ratio Lower Upper
228 100
226 32.6 23.2 34.8
229 21.7 15.2 22.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

Instrument :

BNA_P

ClientSampleId :

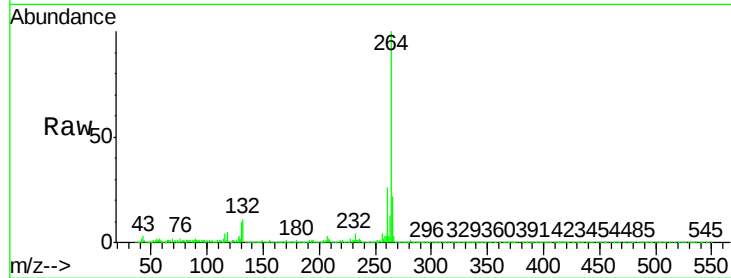
Tot Ion:264 Resp: 180164

Ion Ratio Lower Upper

264 100

260 26.2 19.0 28.6

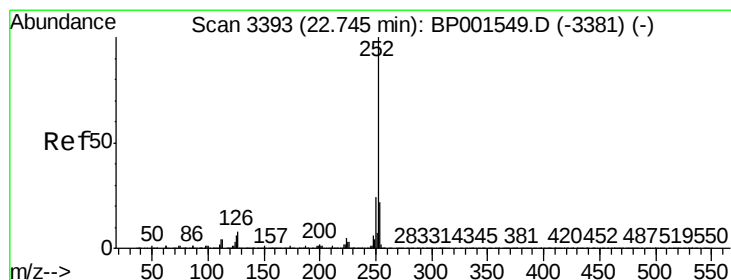
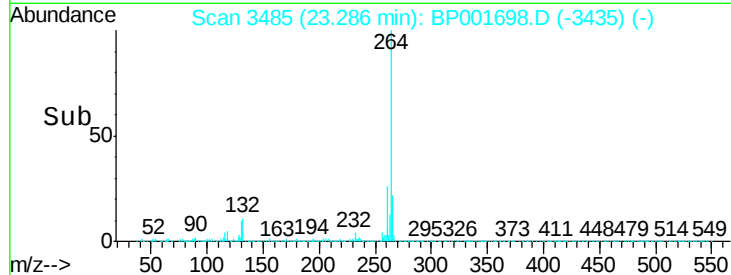
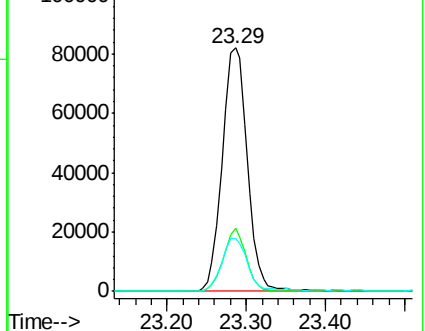
265 22.0 18.2 27.4



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: 3.397 ng

RT: 22.63 min Scan# 3373

Delta R.T. -0.01 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

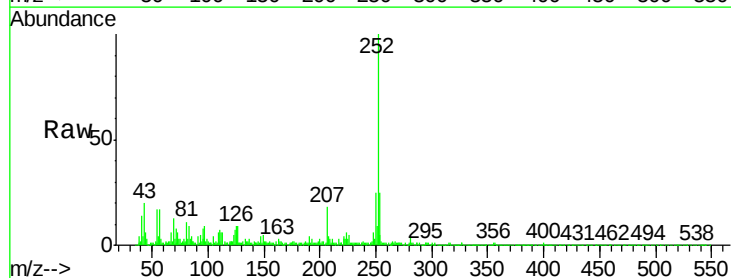
Tgt Ion:252 Resp: 38566

Ion Ratio Lower Upper

252 100

253 25.2 17.6 26.4

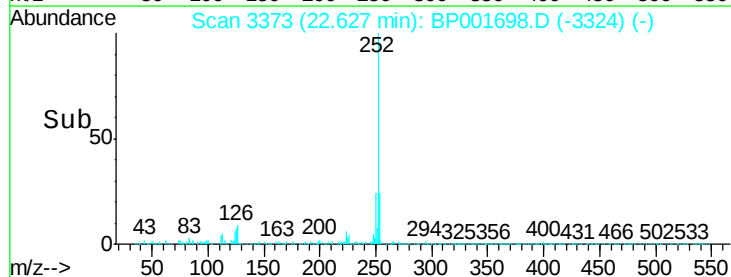
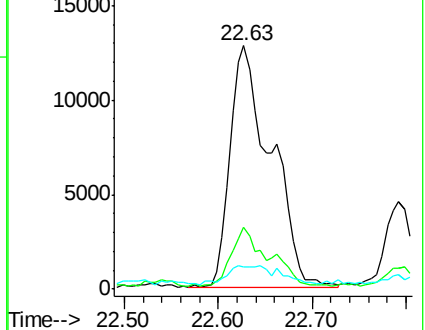
125 9.0 4.6 7.0#

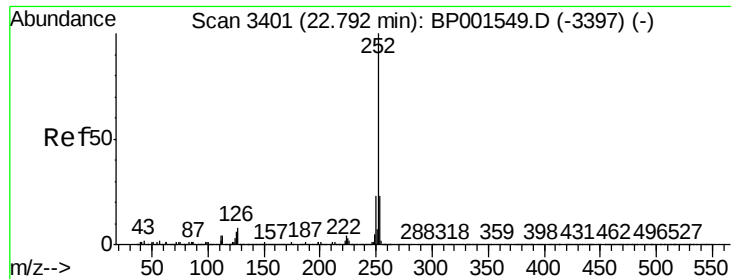


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.484 ng

RT: 22.63 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

Instrument :

BNA_P

ClientSampleId :

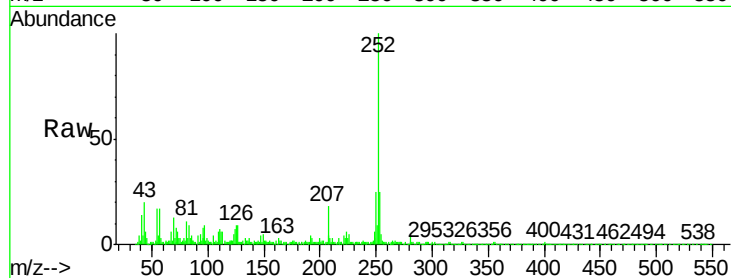
Tot Ion:252 Resp: 38566

Ion Ratio Lower Upper

252 100

253 25.2 18.2 27.2

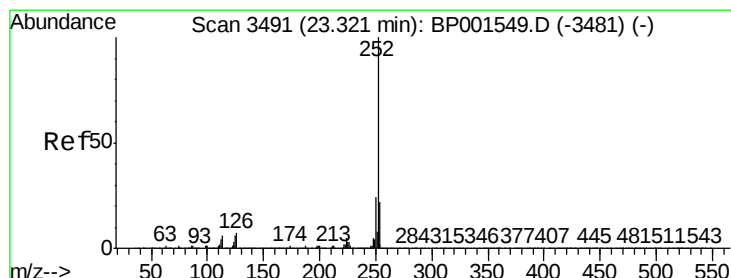
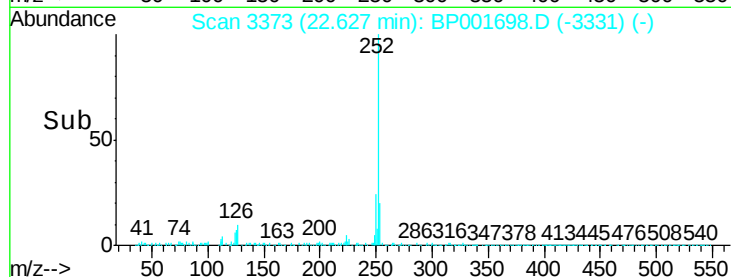
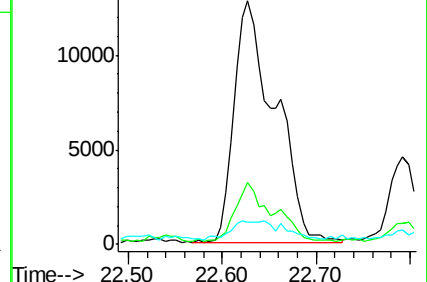
125 9.0 4.6 6.8#



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: 2.397 ng

RT: 23.18 min Scan# 3467

Delta R.T. -0.02 min

Lab File: BP001698.D

Acq: 27 Jan 2020 19:12

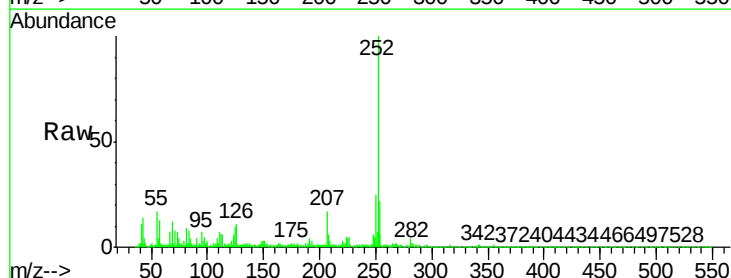
Tgt Ion:252 Resp: 25834

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

125 9.5 5.0 7.4#



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

