

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001363.D
 Acq On : 23 Dec 2019 13:09
 Operator : JU
 Sample : K6370-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 23 14:00:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 20 03:20:39 2019
 Response via : Initial Calibration

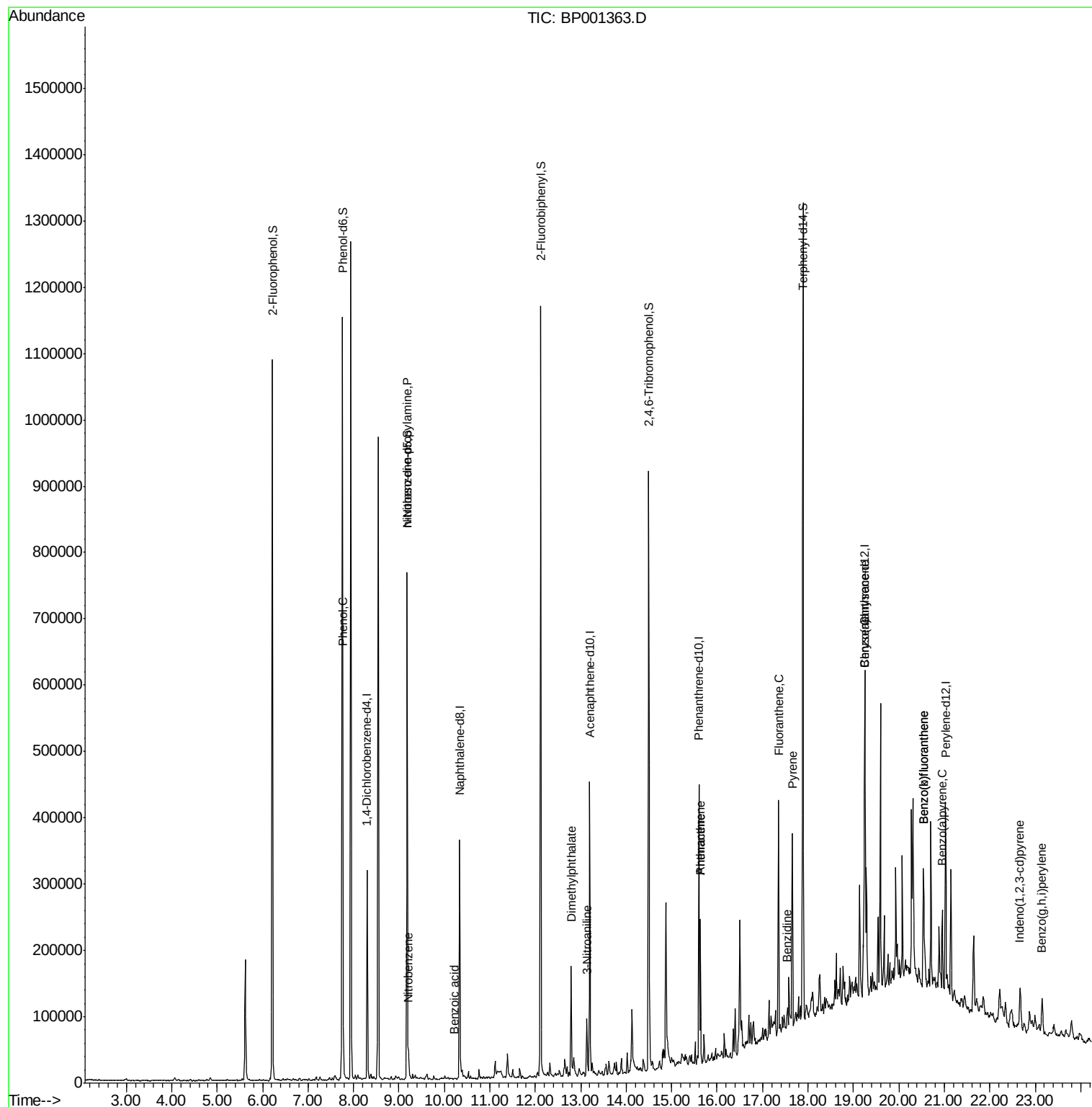
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	50124	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	175272	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	100275	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	189861	20.00	ng	0.00
76) Chrysene-d12	19.25	240	146107	20.00	ng	0.00
87) Perylene-d12	21.03	264	150694	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	322910	104.12	ng	0.02
7) Phenol-d6	7.76	99	431494	106.62	ng	0.00
23) Nitrobenzene-d5	9.18	82	311780	68.31	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	123629	98.61	ng	0.00
45) 2-Fluorobiphenyl	12.12	172	430131	54.24	ng	0.00
79) Terphenyl-d14	17.89	244	438080	51.35	ng	0.00
Target Compounds						
10) Phenol	7.77	94	21396	4.627	ng	82
19) n-Nitroso-di-n-propylamine	9.18	70	46565	16.208	ng	# 80
24) Nitrobenzene	9.21	77	16134	3.592	ng	97
32) Benzoic acid	10.23	122	53	5.048	ng	92
50) Dimethylphthalate	12.79	163	52490	6.381	ng	99
53) 3-Nitroaniline	13.13	138	15407	8.593	ng	# 94
71) Phenanthrene	15.63	178	91452	8.443	ng	99
72) Anthracene	15.63	178	91452	8.528	ng	99
75) Fluoranthene	17.35	202	161677	13.348	ng	98
77) Benzidine	17.54	184	9869	2.320	ng	96
78) Pyrene	17.66	202	134996	11.900	ng	96
81) Benzo(a)anthracene	19.24	228	74349	6.983	ng	95
83) Chrysene	19.24	228	74349	7.235	ng	98
86) Indeno(1,2,3-cd)pyrene	22.66	276	49793	4.486	ng	98
88) Benzo(b)fluoranthene	20.54	252	142230	14.372	ng	98
89) Benzo(k)fluoranthene	20.54	252	142230	15.087	ng	97
90) Benzo(a)pyrene	20.95	252	65973	7.318	ng	97
92) Benzo(a,h,i)perylene	23.15	276	48502	5.758	ng	# 93

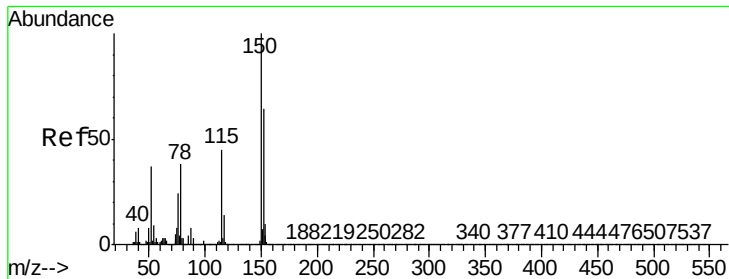
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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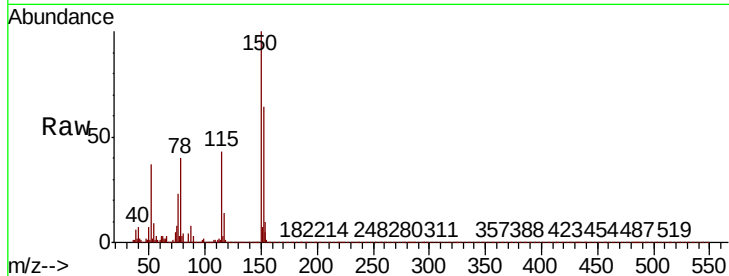




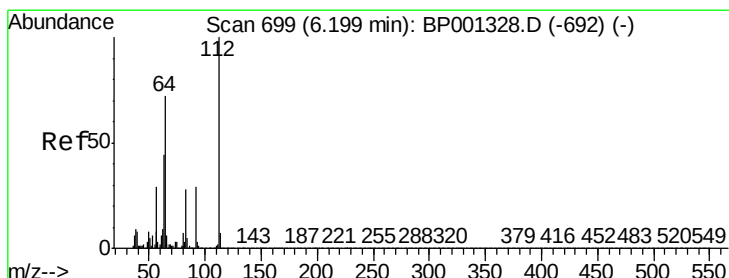
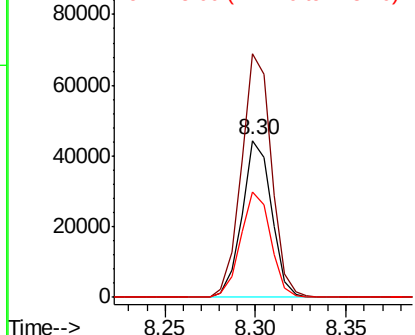
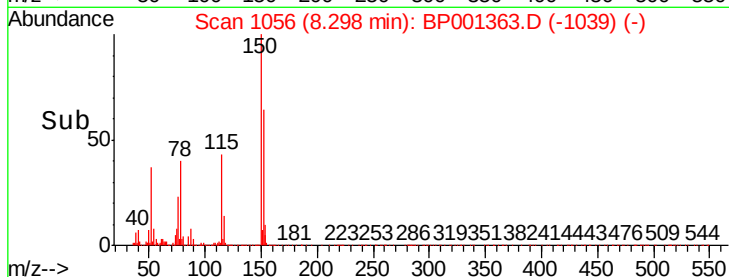
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1056
 Delta R.T. -0.00 min
 Lab File: BP001363.D
 Acq: 23 Dec 2019 13:09

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:	152	Resp:	50124
Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.0	186.0
115	67.1	59.3	88.9

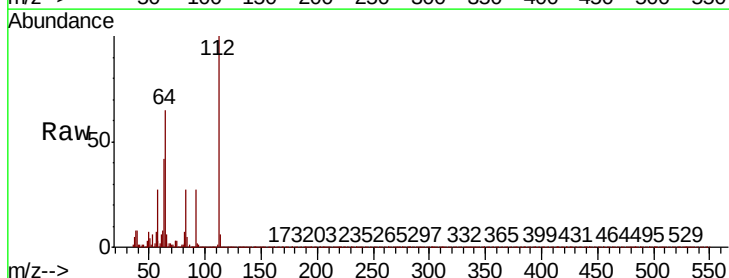


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

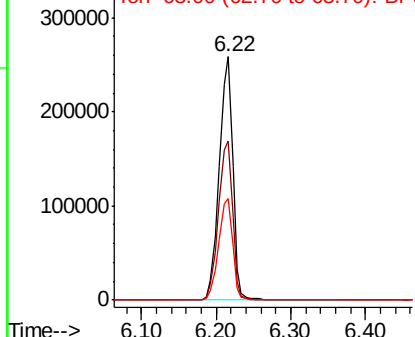
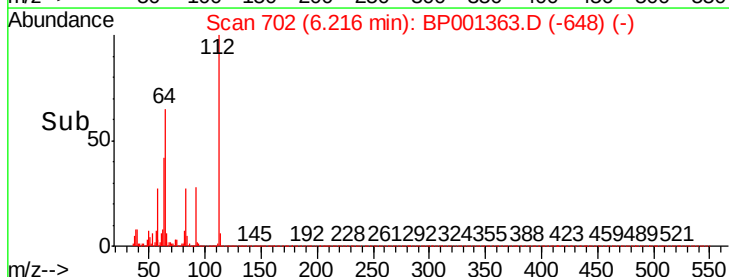


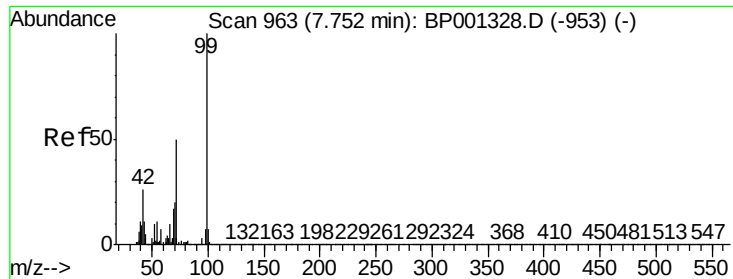
#5
 2-Fluorophenol
 Concen: 104.119 ng
 RT: 6.22 min Scan# 702
 Delta R.T. 0.02 min
 Lab File: BP001363.D
 Acq: 23 Dec 2019 13:09

Tgt Ion:	112	Resp:	322910
Ion	Ratio	Lower	Upper
112	100		
64	65.4	57.6	86.4
63	41.9	35.1	52.7



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: 106.624 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

Instrument :

BNA_P

ClientSampleId :

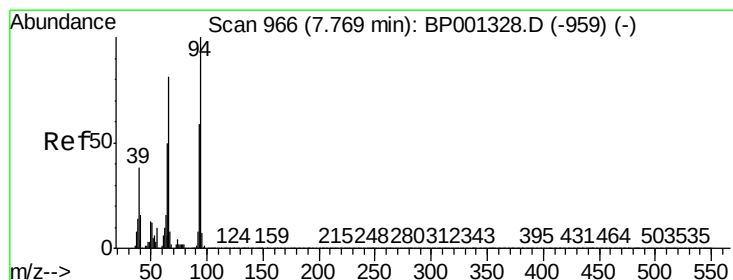
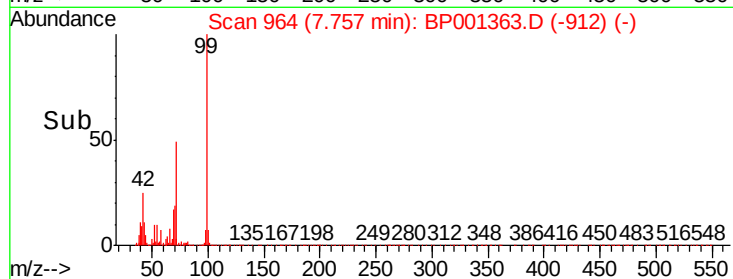
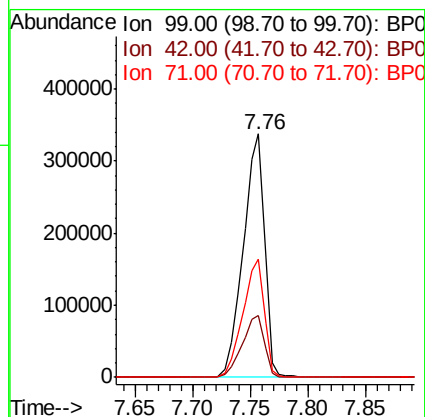
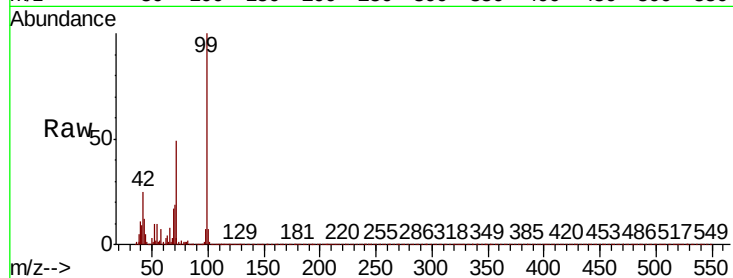
Tot Ion: 99 Resp: 431494

Ion Ratio Lower Upper

99 100

42 25.3 20.9 31.3

71 48.7 40.0 60.0



#10

Phenol

Concen: 4.627 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.00 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

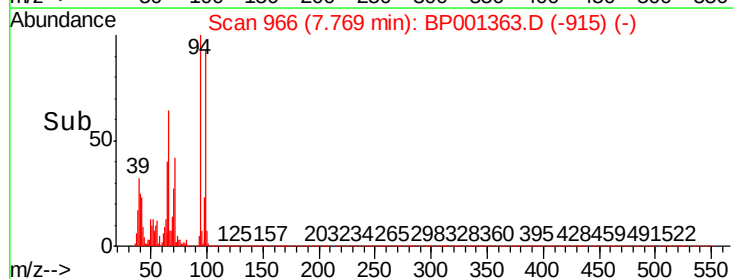
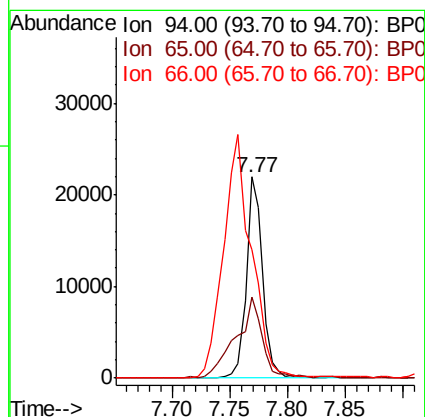
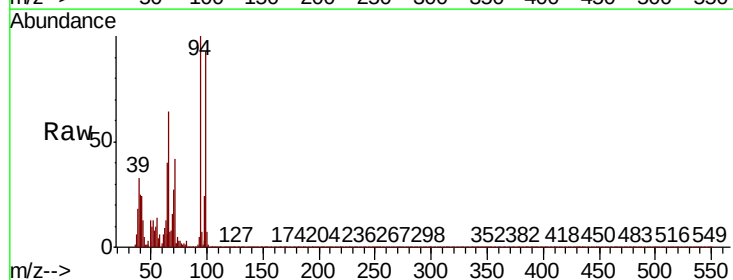
Tgt Ion: 94 Resp: 21396

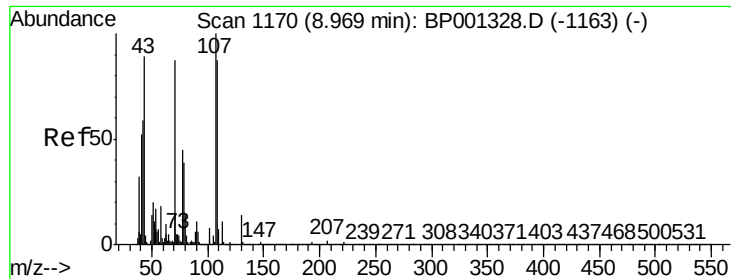
Ion Ratio Lower Upper

94 100

65 40.5 30.4 70.4

66 63.6 62.0 102.0

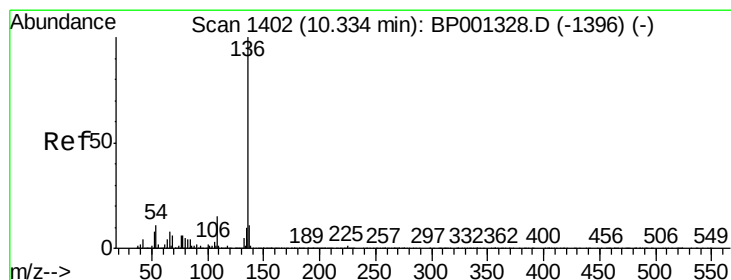
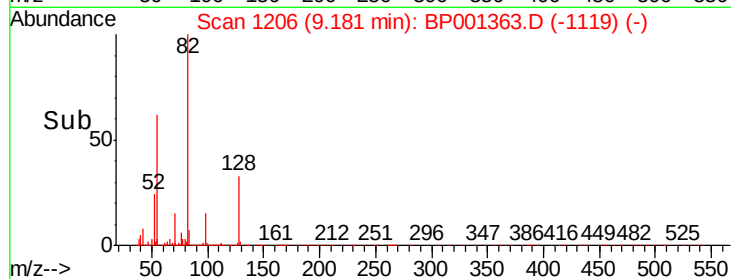
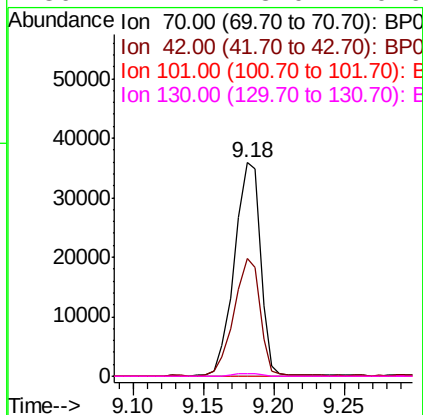
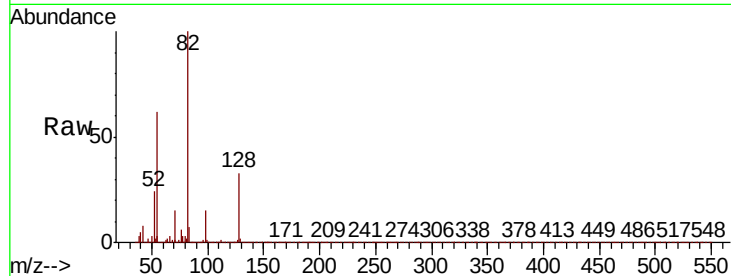




#19
n-Nitroso-di-n-propylamine
Concen: 16.208 ng
RT: 9.18 min Scan# 1206
Delta R.T. 0.21 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

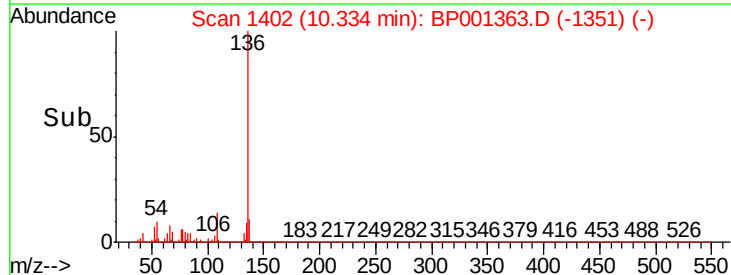
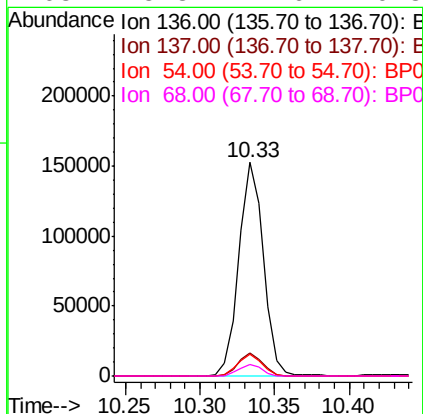
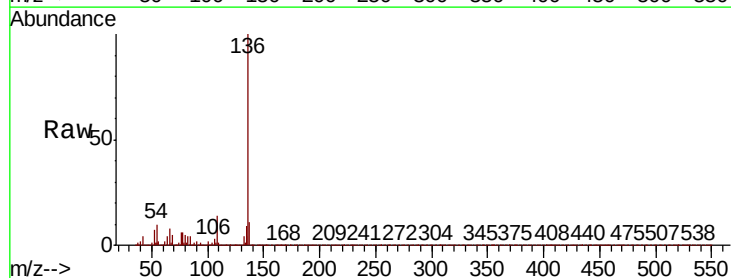
Instrument :
BNA_P
ClientSampled :

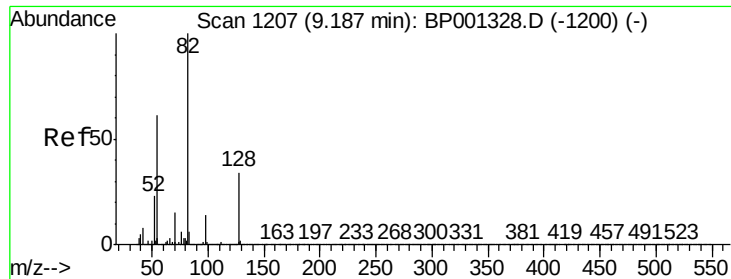
Tot Ion: 70 Resp: 46565
Ion Ratio Lower Upper
70 100
42 55.0 54.1 81.1
101 0.0 7.0 10.4#
130 1.4 13.0 19.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.00 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion:136 Resp: 175272
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 10.0 8.8 13.2
68 5.3 4.6 6.8

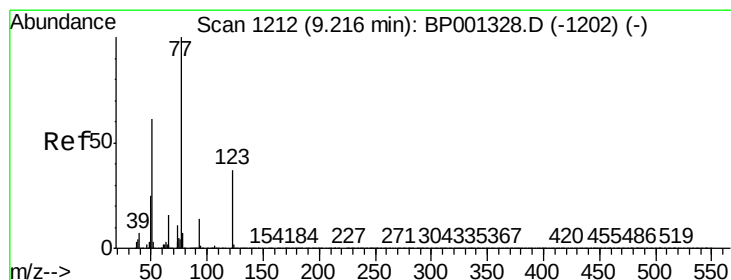
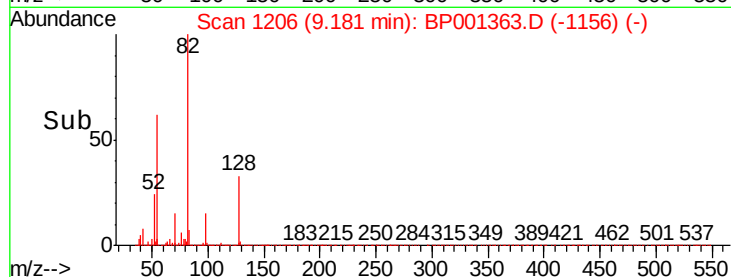
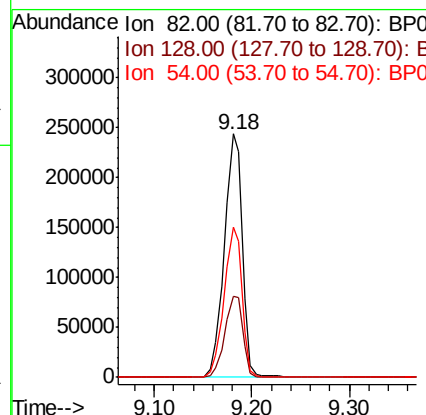
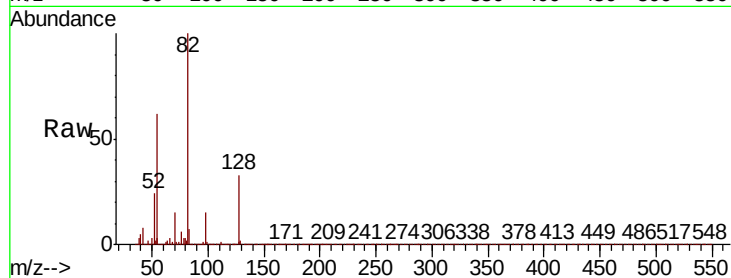




#23
 Nitrobenzene-d5
 Concen: 68.310 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BP001363.D
 Acq: 23 Dec 2019 13:09

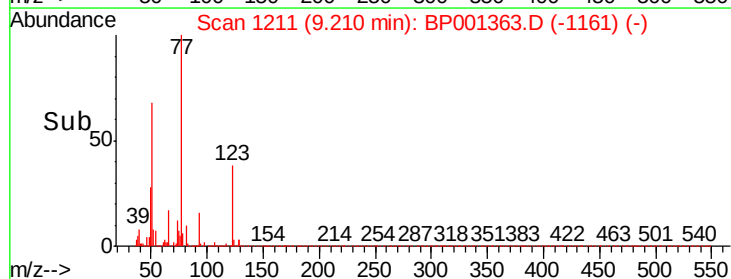
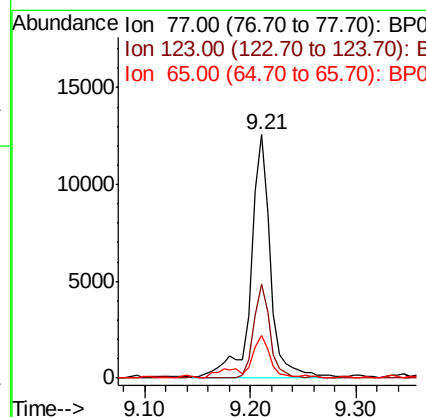
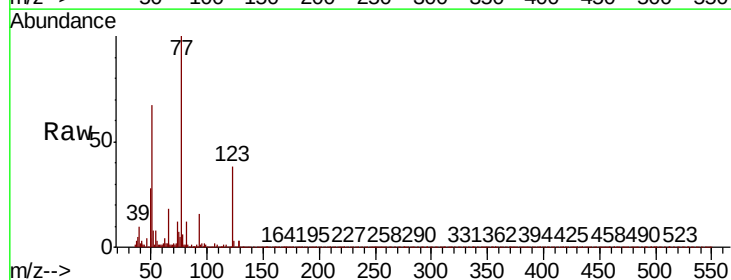
Instrument :
 BNA_P
 ClientSampleId :

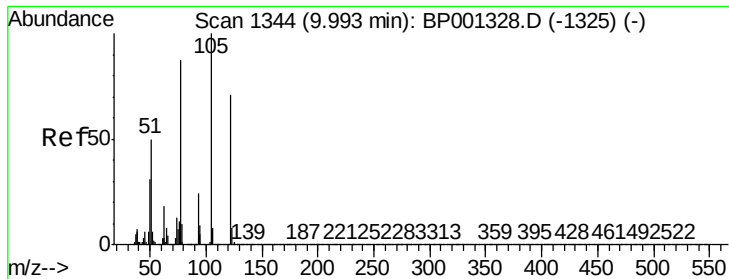
Tot Ion	82	Resp	311780
Ion Ratio	Lower	Upper	
82	100		
128	33.1	27.0	40.4
54	61.9	49.0	73.4



#24
 Nitrobenzene
 Concen: 3.592 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BP001363.D
 Acq: 23 Dec 2019 13:09

Tgt Ion	77	Resp	16134
Ion Ratio	Lower	Upper	
77	100		
123	38.3	29.4	44.0
65	17.6	12.4	18.6

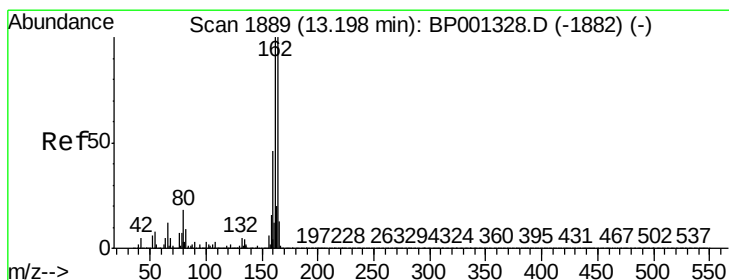
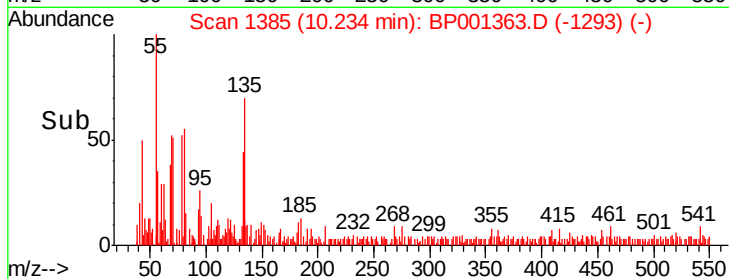
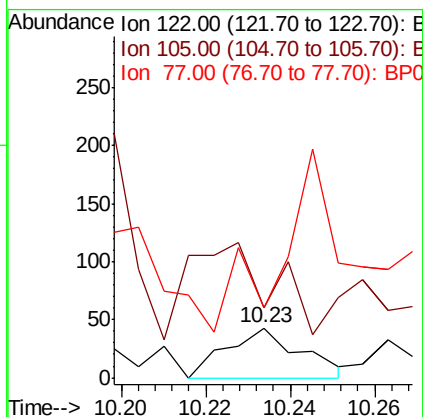
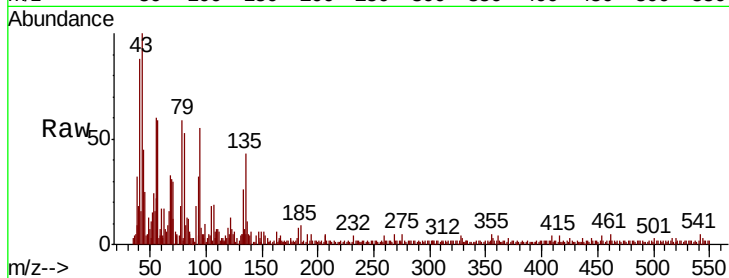




#32
Benzoic acid
Concen: 5.048 ng
RT: 10.23 min Scan# 1385
Delta R.T. 0.24 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

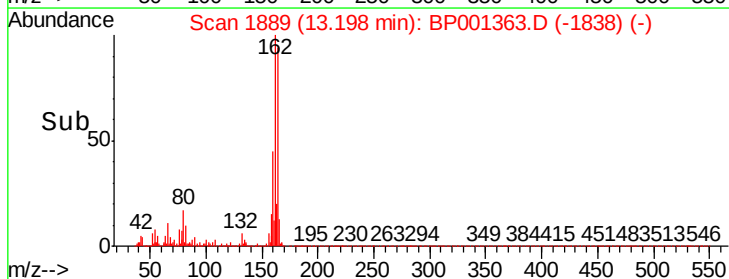
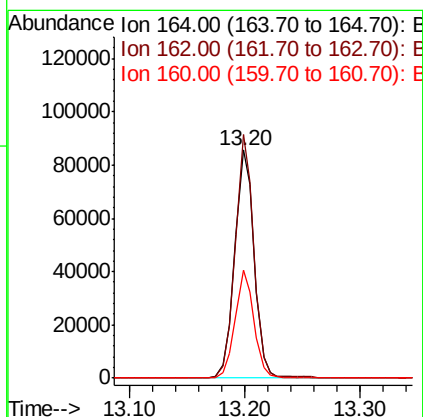
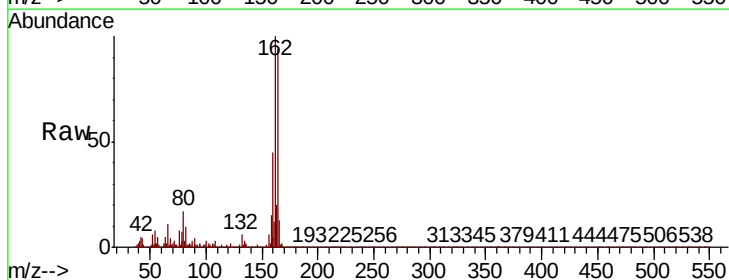
Instrument :
BNA_P
ClientSampleId :

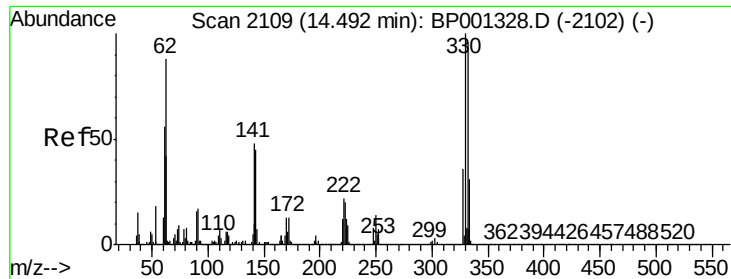
Tot Ion	Ratio	Lower	Upper
122	100		
105	139.5	118.5	158.5
77	139.5	101.3	141.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1889
Delta R.T. -0.00 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.9	80.3	120.5
160	47.6	36.6	54.8

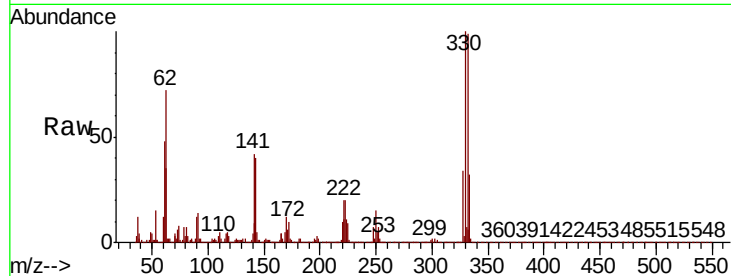




#42
2,4,6-Tribromophenol
Concen: 98.614 ng
RT: 14.50 min Scan# 2110
Delta R.T. 0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.7	118.1
141	44.9	36.2	54.4

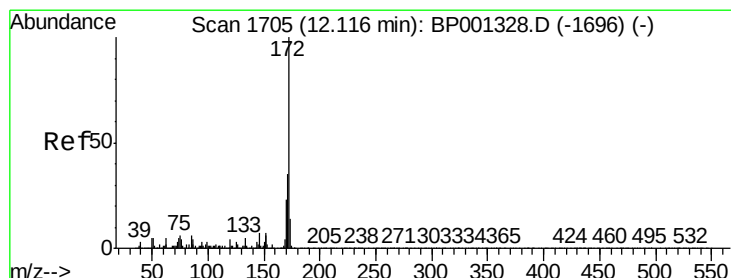
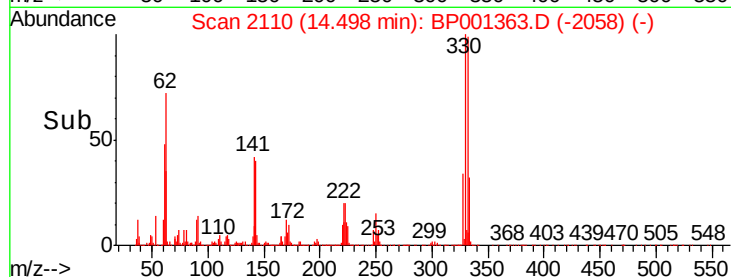
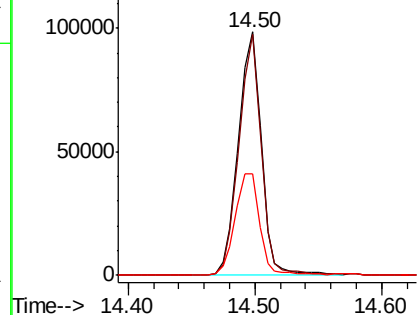


Abundance

Ion 329.80 (329.50 to 330.50): E

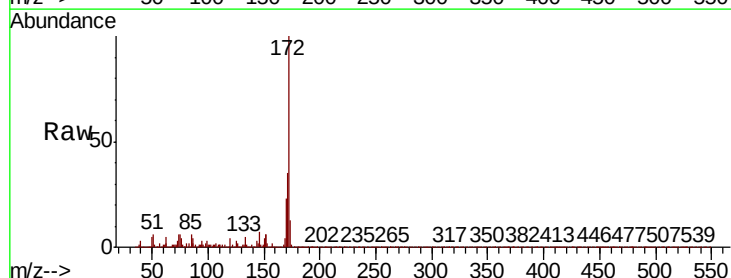
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 54.240 ng
RT: 12.12 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.7	41.5
170	23.4	18.6	28.0

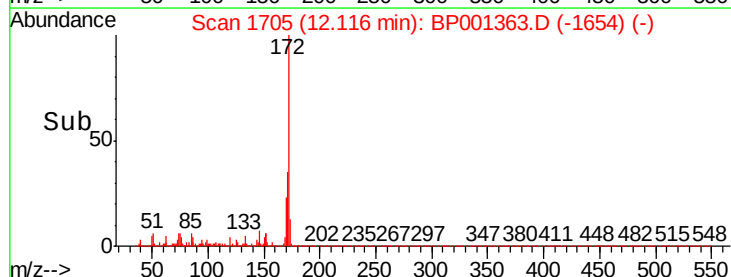
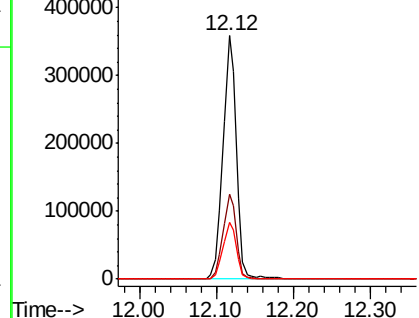


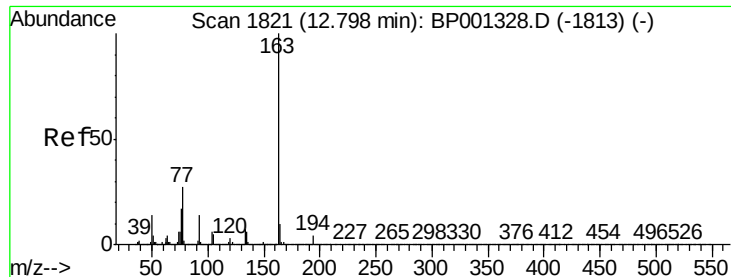
Abundance

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

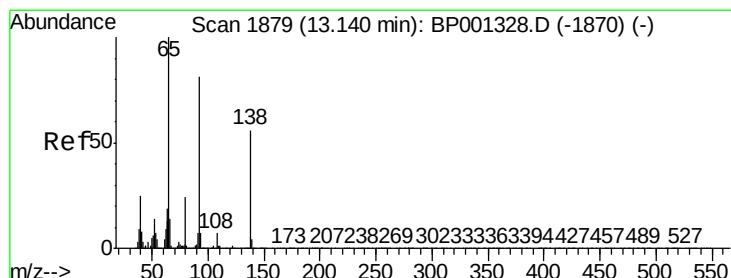
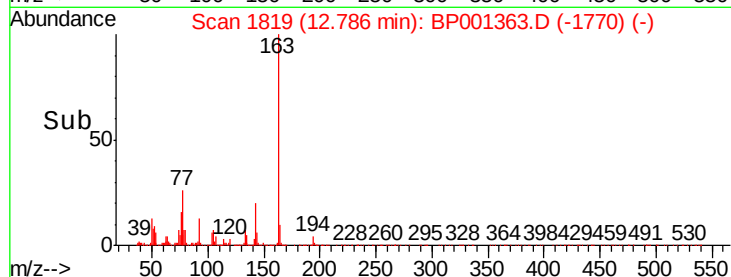
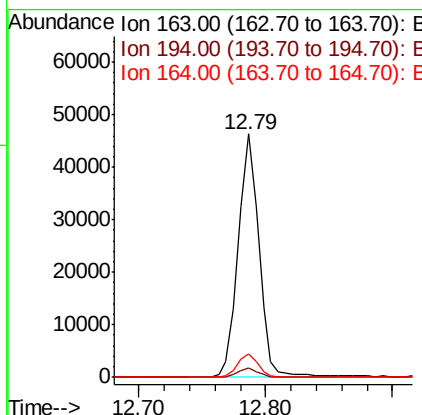
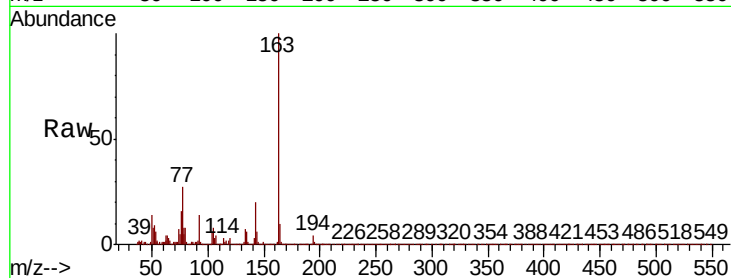




#50
Dimethylphthalate
Concen: 6.381 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

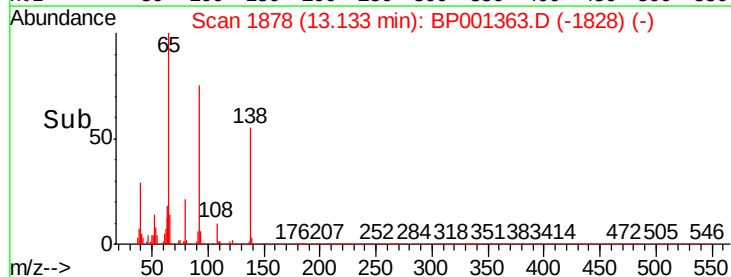
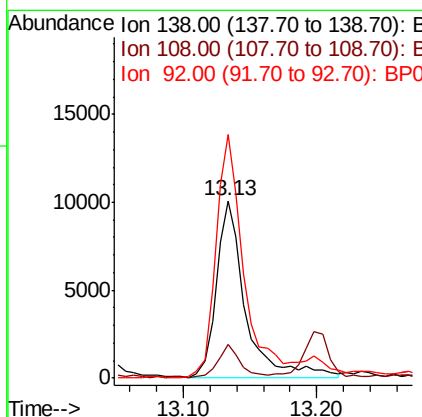
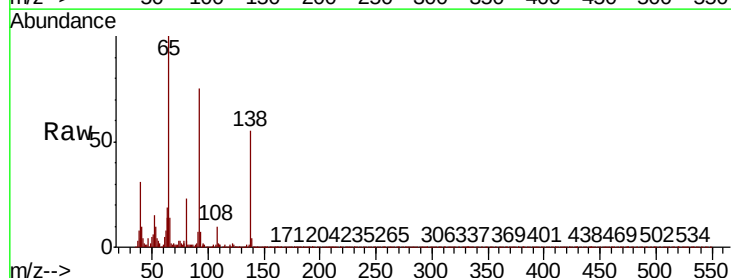
Instrument :
BNA_P
ClientSampleId :

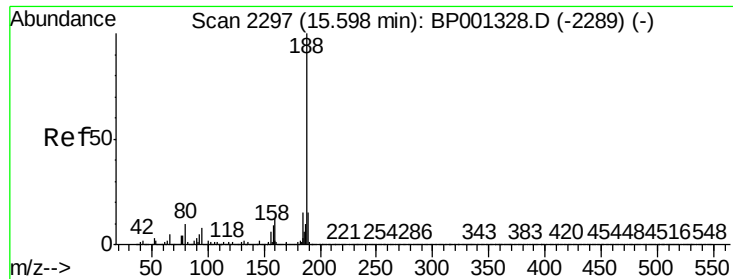
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	9.7	7.9	11.9



#53
3-Nitroaniline
Concen: 8.593 ng
RT: 13.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion	Ratio	Lower	Upper
138	100		
108	18.9	10.1	15.1#
92	137.3	114.6	172.0

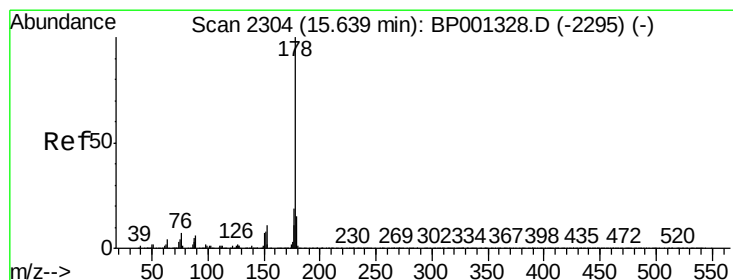
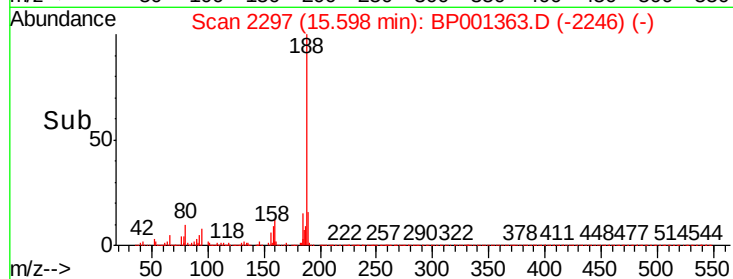
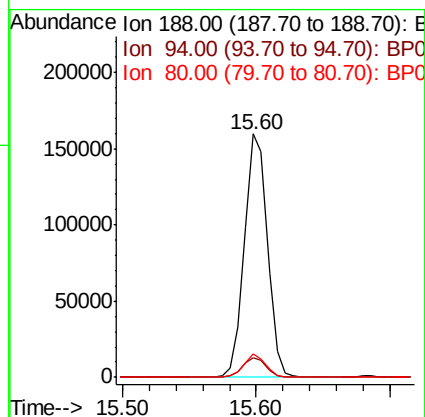
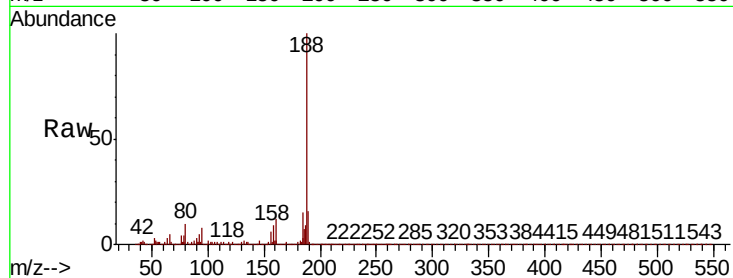




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.00 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

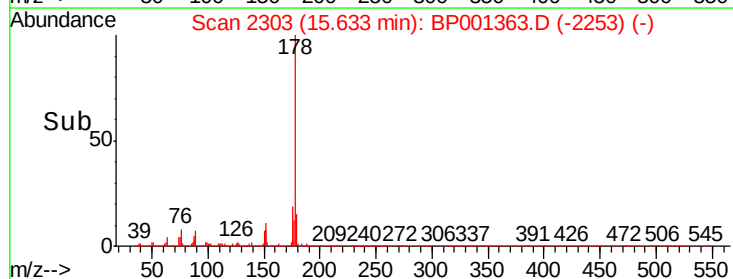
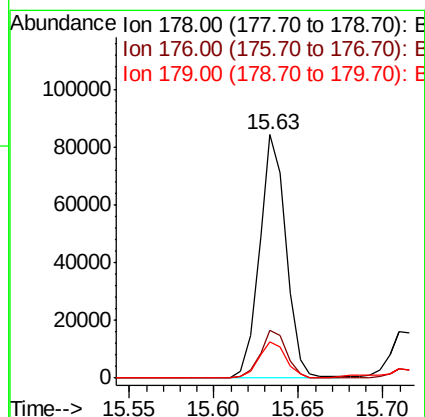
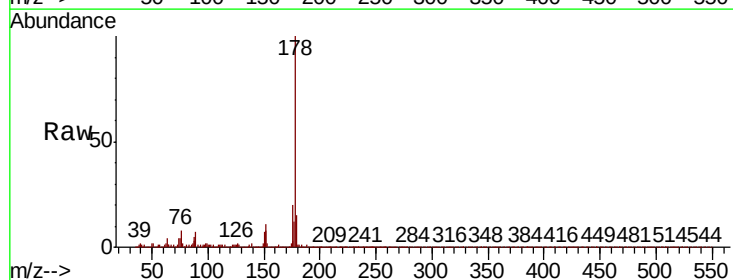
Instrument :
BNA_P
ClientSampleId :

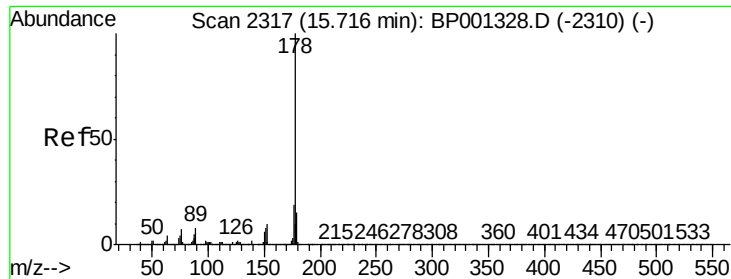
Tot Ion:188 Resp: 189861
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 9.7 7.8 11.6



#71
Phenanthrene
Concen: 8.443 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion:178 Resp: 91452
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.1 12.0 18.0





#72

Anthracene

Concen: 8.528 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.08 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

Instrument :

BNA_P

ClientSampleId :

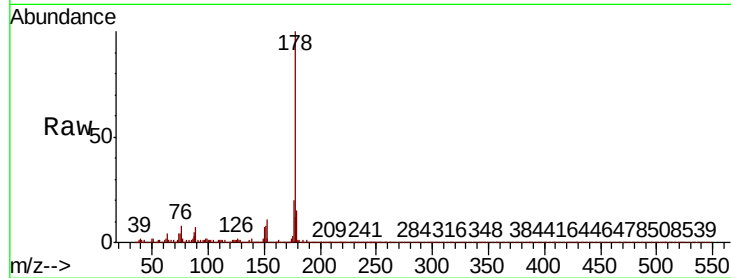
Tot Ion:178 Resp: 91452

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.6

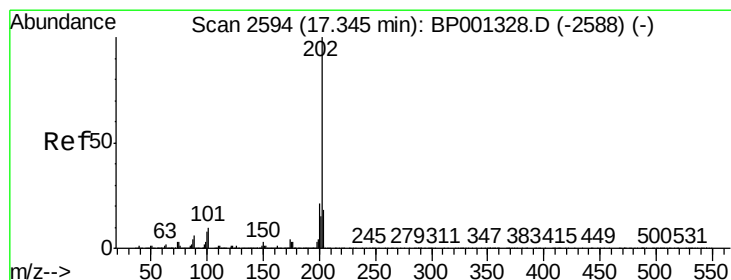
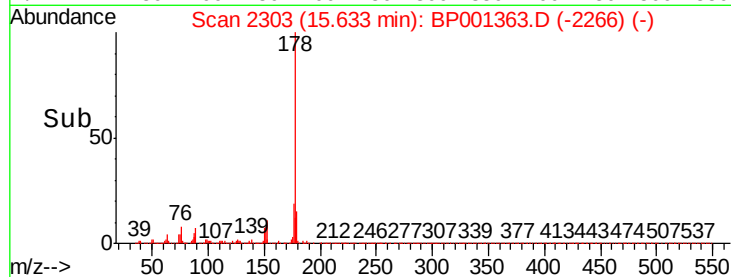
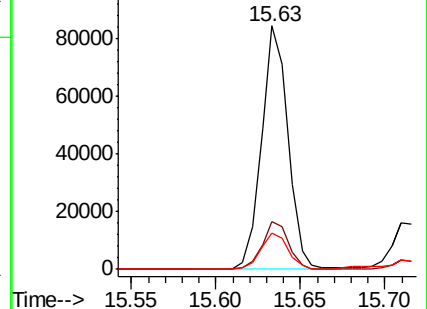
179 15.1 11.9 17.9



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: 13.348 ng

RT: 17.35 min Scan# 2595

Delta R.T. 0.01 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

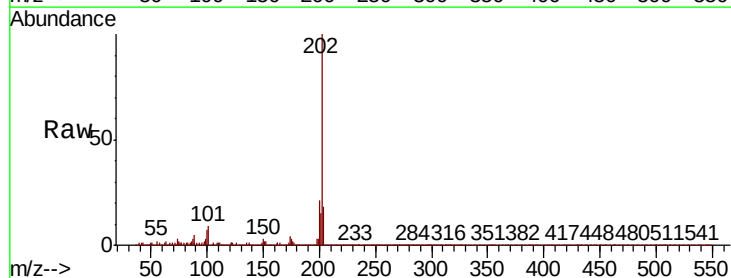
Tgt Ion:202 Resp: 161677

Ion Ratio Lower Upper

202 100

101 8.7 0.0 29.9

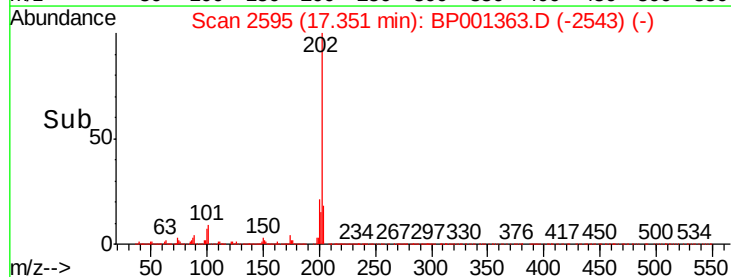
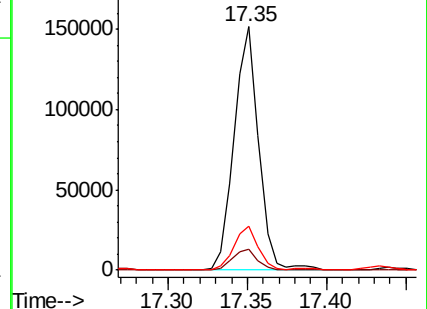
203 18.0 0.0 37.6

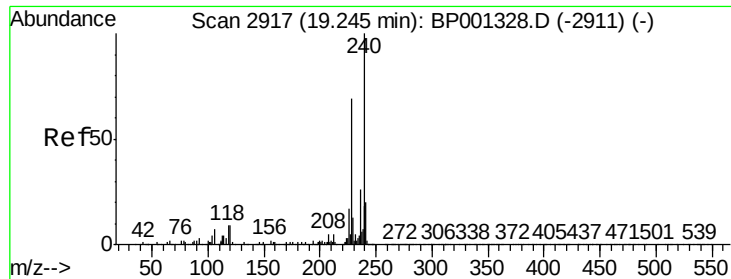


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

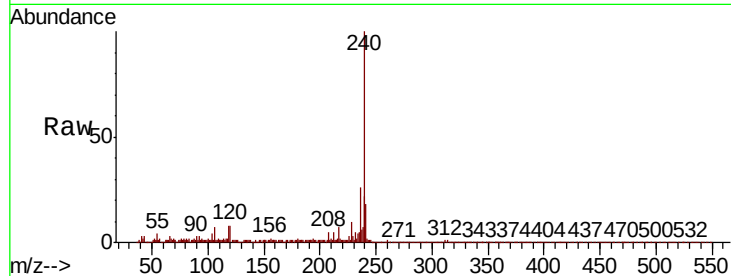




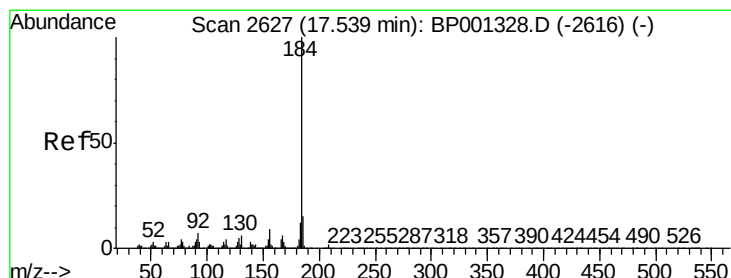
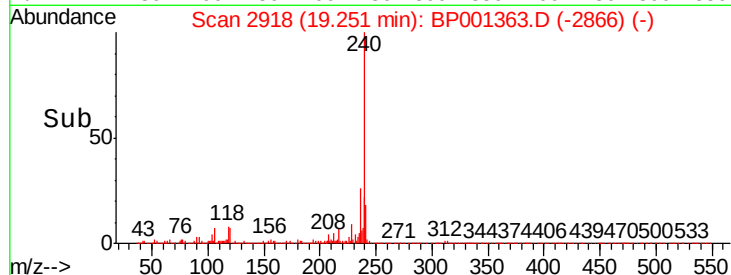
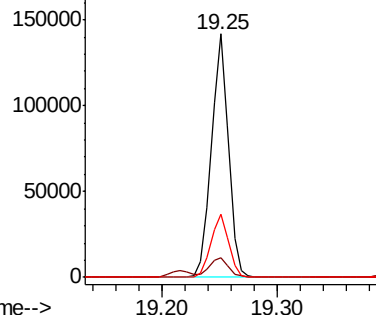
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2918
Delta R.T. 0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Instrument :
BNA_P
ClientSampleId :

Tot Ion:240 Resp: 146107
Ion Ratio Lower Upper
240 100
120 7.8 7.6 11.4
236 26.1 21.0 31.4

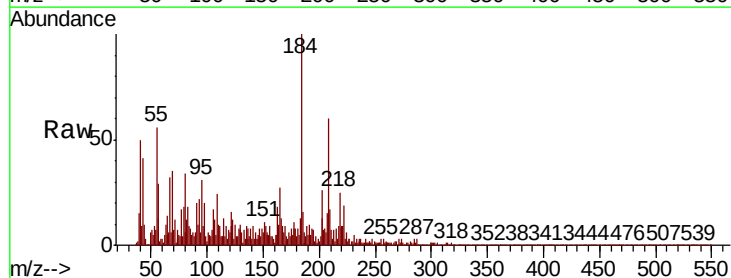


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

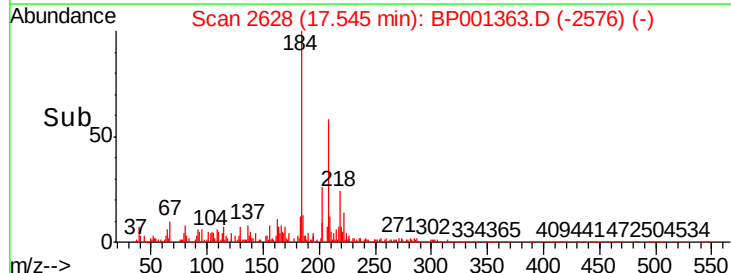
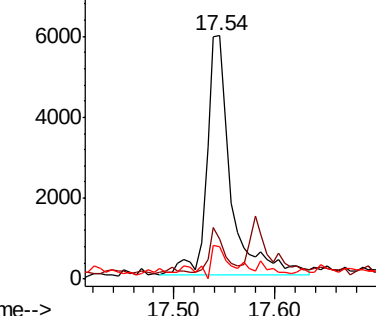


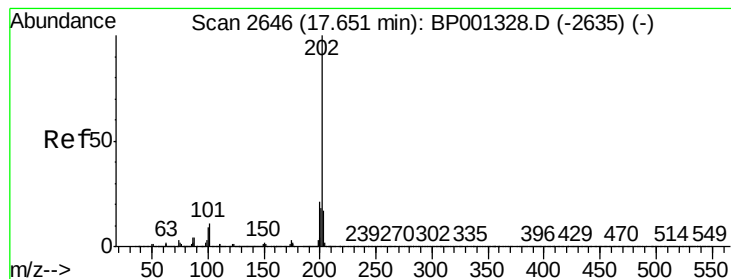
#77
Benzidine
Concen: 2.320 ng
RT: 17.54 min Scan# 2628
Delta R.T. 0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion:184 Resp: 9869
Ion Ratio Lower Upper
184 100
185 16.4 11.7 17.5
183 13.3 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 11.900 ng

RT: 17.66 min Scan# 2647

Delta R.T. 0.01 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

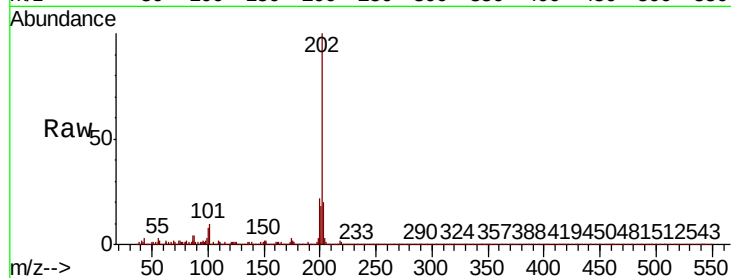
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 134996

Ion	Ratio	Lower	Upper
202	100		
200	22.3	16.8	25.2
203	20.2	13.8	20.8

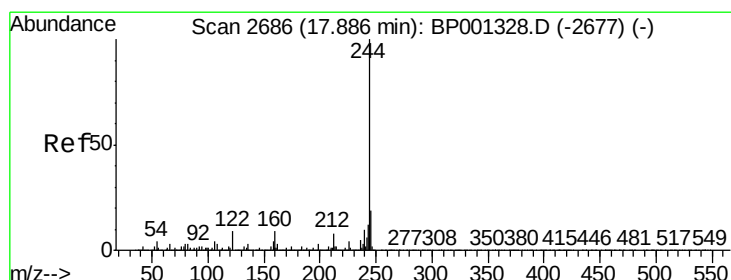
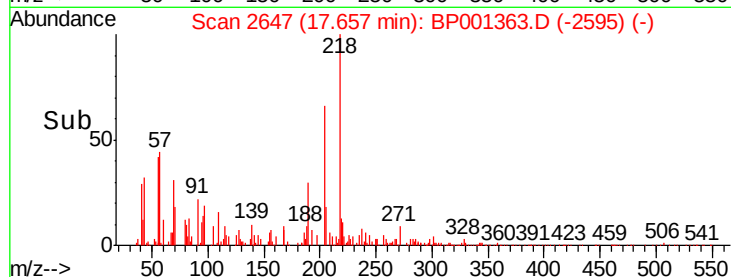
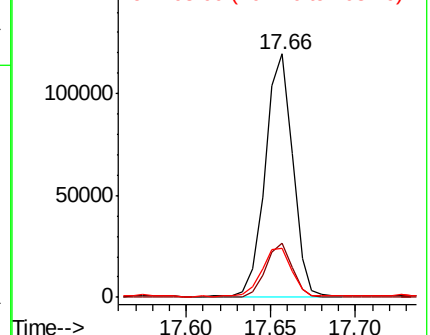


Abundance

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: 51.355 ng

RT: 17.89 min Scan# 2686

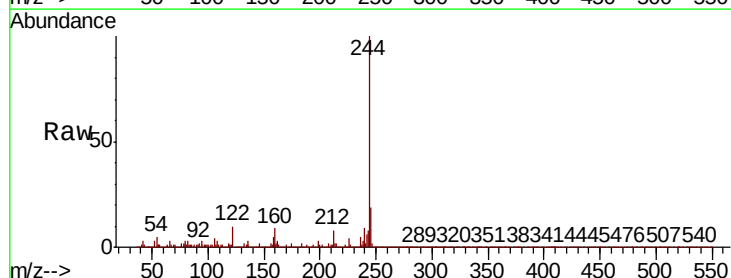
Delta R.T. -0.00 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

Tgt Ion:244 Resp: 438080

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	9.8
122	10.3	7.6	11.4

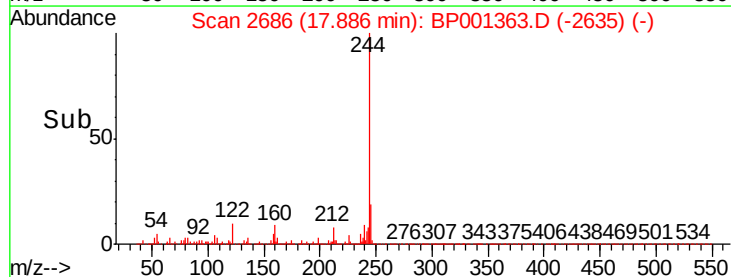
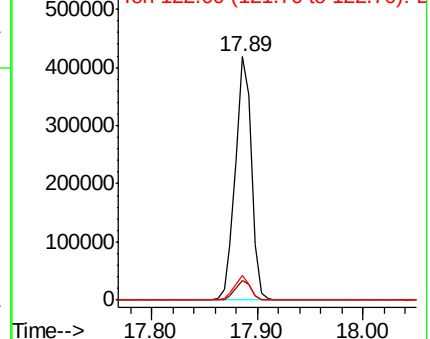


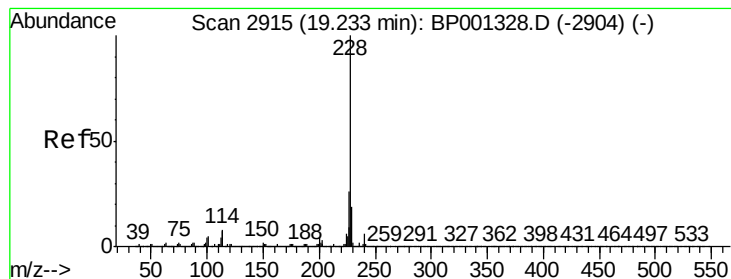
Abundance

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

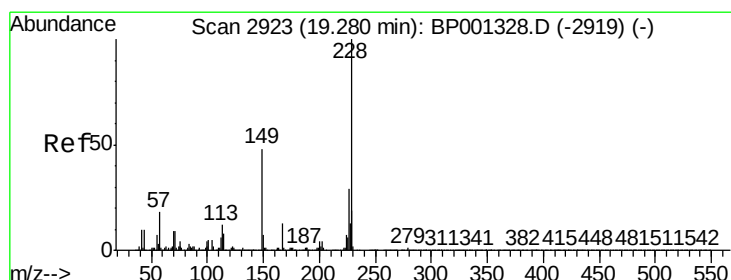
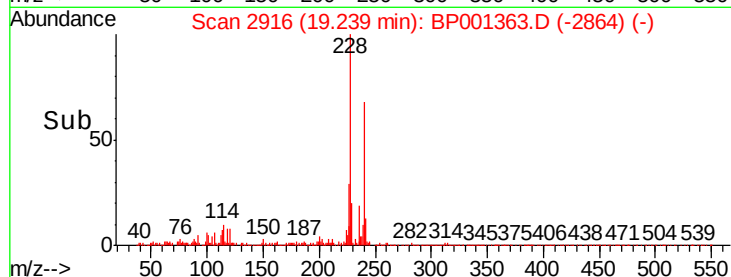
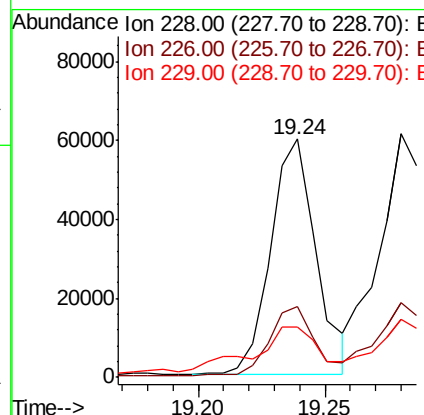
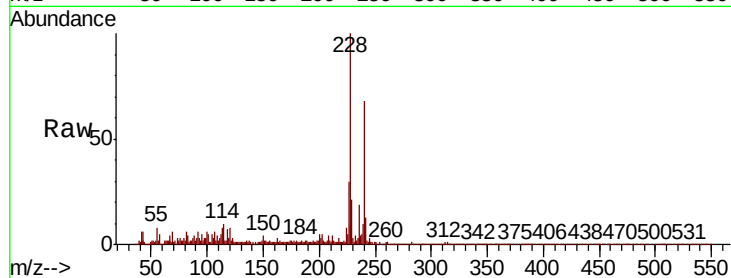




#81
Benzo(a)anthracene
Concen: 6.983 ng
RT: 19.24 min Scan# 2916
Delta R.T. 0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

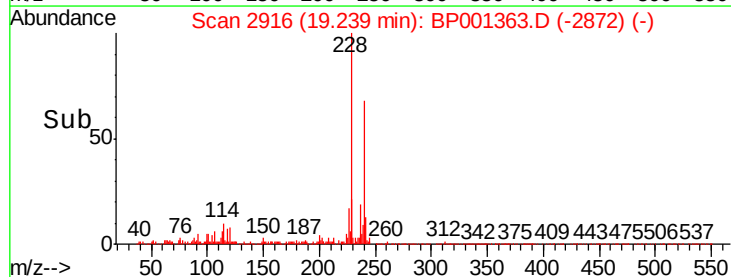
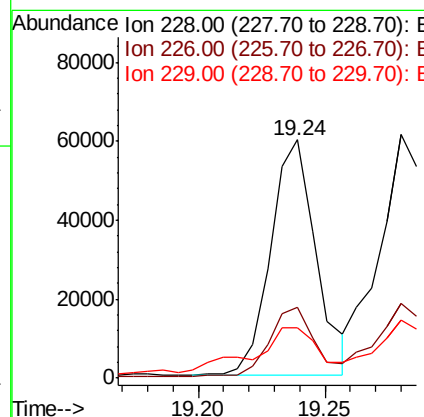
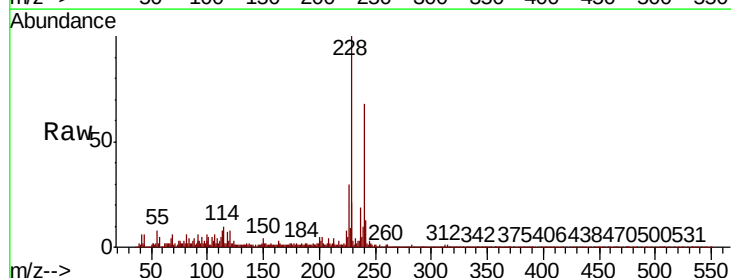
Instrument :
BNA_P
ClientSampleId :

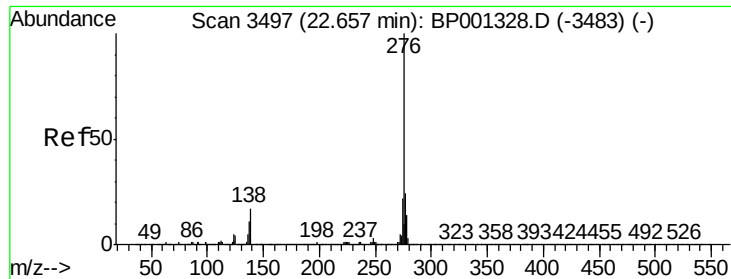
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.2	31.8
229	21.1	15.4	23.0



#83
Chrysene
Concen: 7.235 ng
RT: 19.24 min Scan# 2916
Delta R.T. -0.04 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.1	34.7
229	21.1	15.4	23.2





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.486 ng

RT: 22.66 min Scan# 3498

Delta R.T. 0.01 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

Instrument :

BNA_P

ClientSampleId :

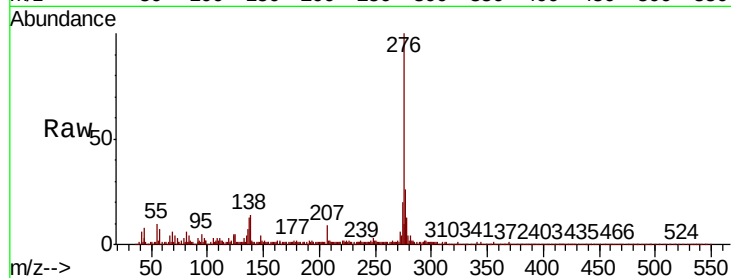
Tot Ion:276 Resp: 49793

Ion Ratio Lower Upper

276 100

138 17.7 15.8 23.6

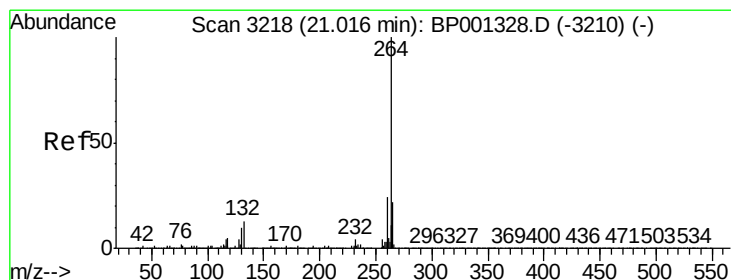
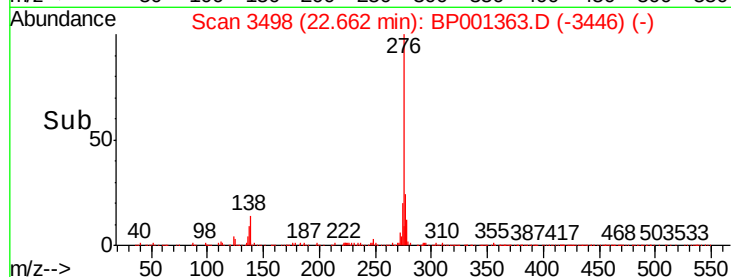
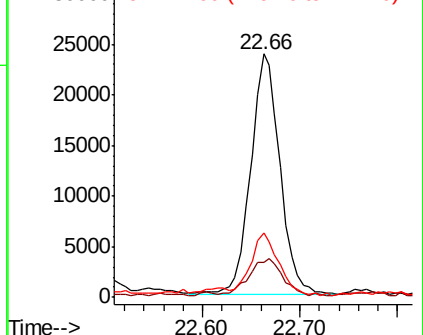
277 25.8 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.03 min Scan# 3221

Delta R.T. 0.02 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

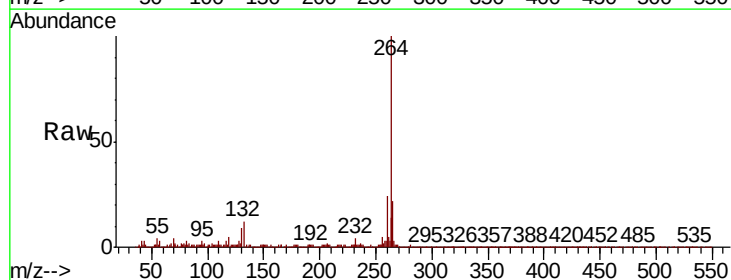
Tgt Ion:264 Resp: 150694

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

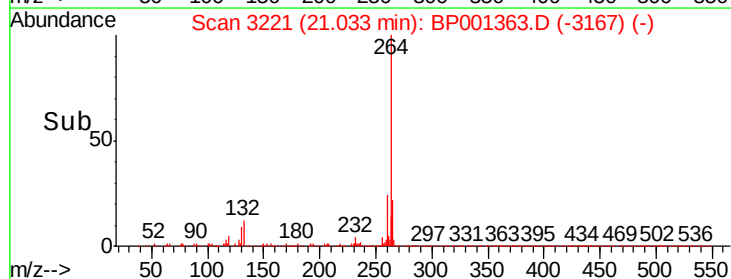
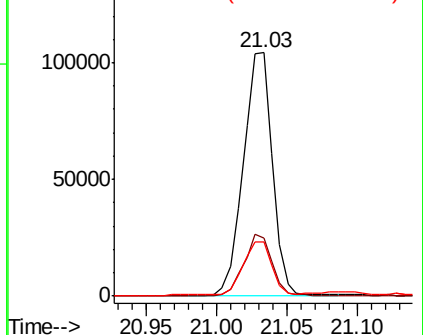
265 22.1 17.4 26.2

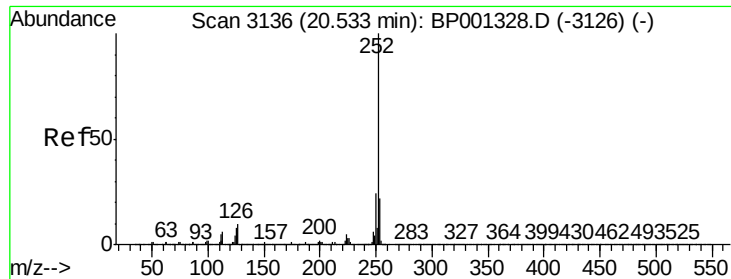


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

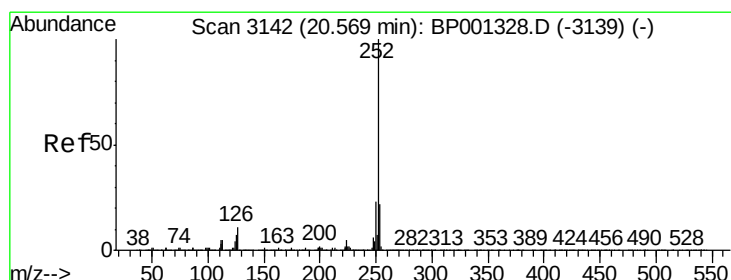
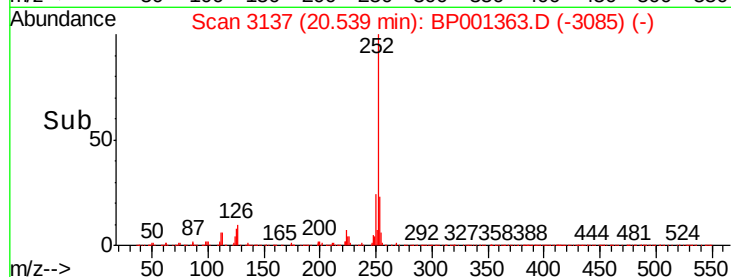
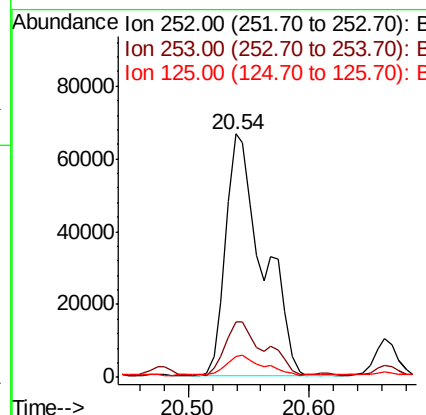
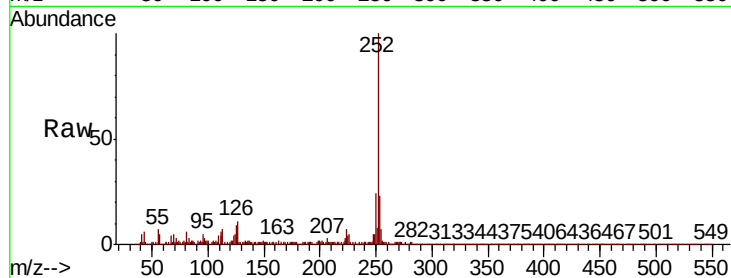




#88
Benzo(b)fluoranthene
Concen: 14.372 ng
RT: 20.54 min Scan# 3137
Delta R.T. 0.01 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

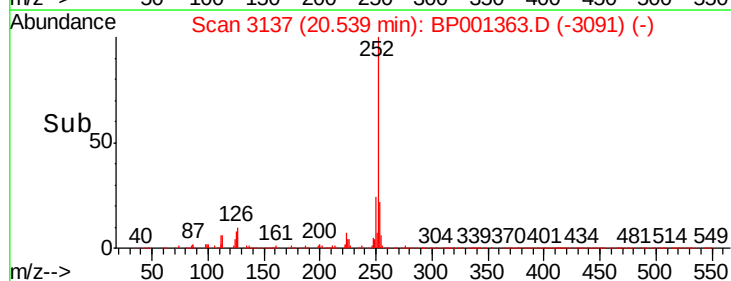
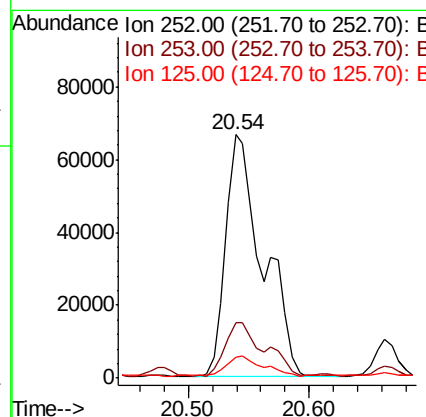
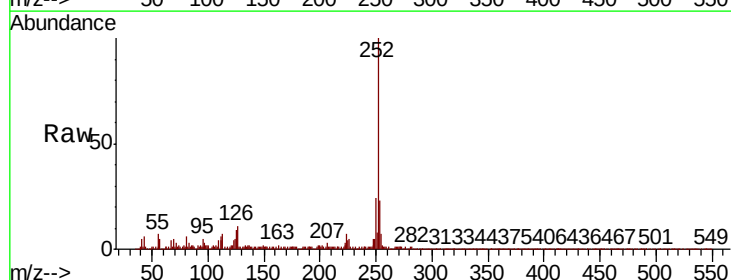
Instrument :
BNA_P
ClientSampleId :

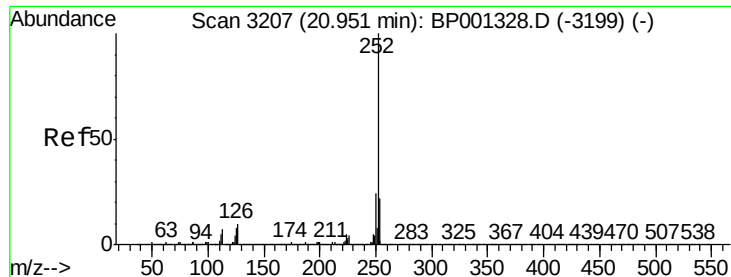
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	8.7	6.3	9.5



#89
Benzo(k)fluoranthene
Concen: 15.087 ng
RT: 20.54 min Scan# 3137
Delta R.T. -0.03 min
Lab File: BP001363.D
Acq: 23 Dec 2019 13:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.4	26.0
125	8.7	5.9	8.9





#90

Benzo(a)pyrene

Concen: 7.318 ng

RT: 20.95 min Scan# 3207

Delta R.T. -0.00 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

Instrument :

BNA_P

ClientSampleId :

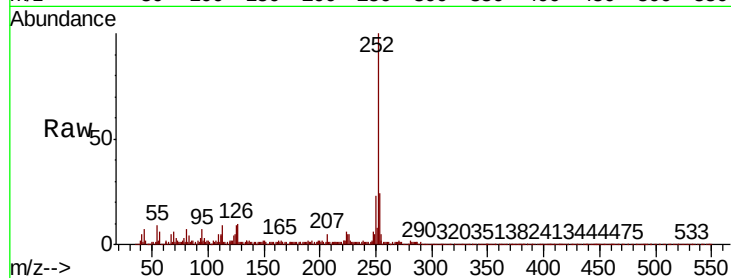
Tot Ion:252 Resp: 65973

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 8.8 6.3 9.5

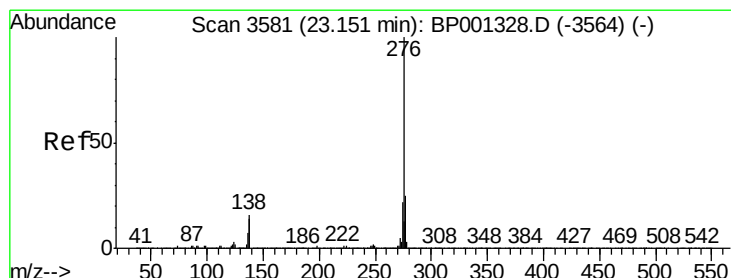
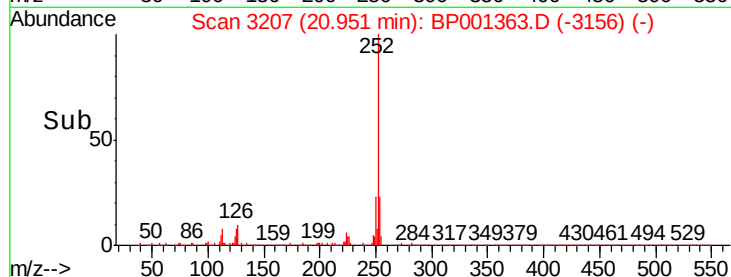
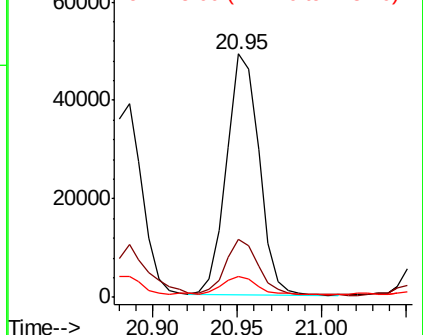


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 5.758 ng

RT: 23.15 min Scan# 3581

Delta R.T. -0.00 min

Lab File: BP001363.D

Acq: 23 Dec 2019 13:09

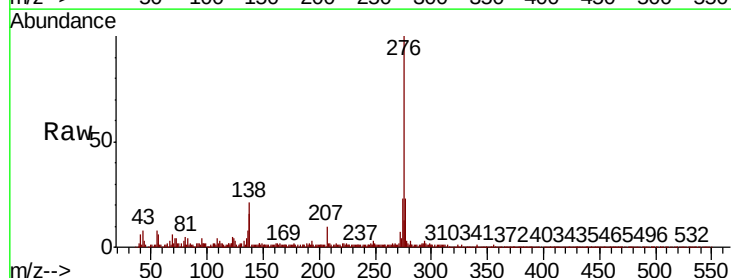
Tgt Ion:276 Resp: 48502

Ion Ratio Lower Upper

276 100

277 22.5 19.6 29.4

138 20.9 12.6 18.8#



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

