

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001379.D
 Acq On : 23 Dec 2019 21:07
 Operator : JU
 Sample : K6117-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121919

Quant Time: Dec 24 06:22:41 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

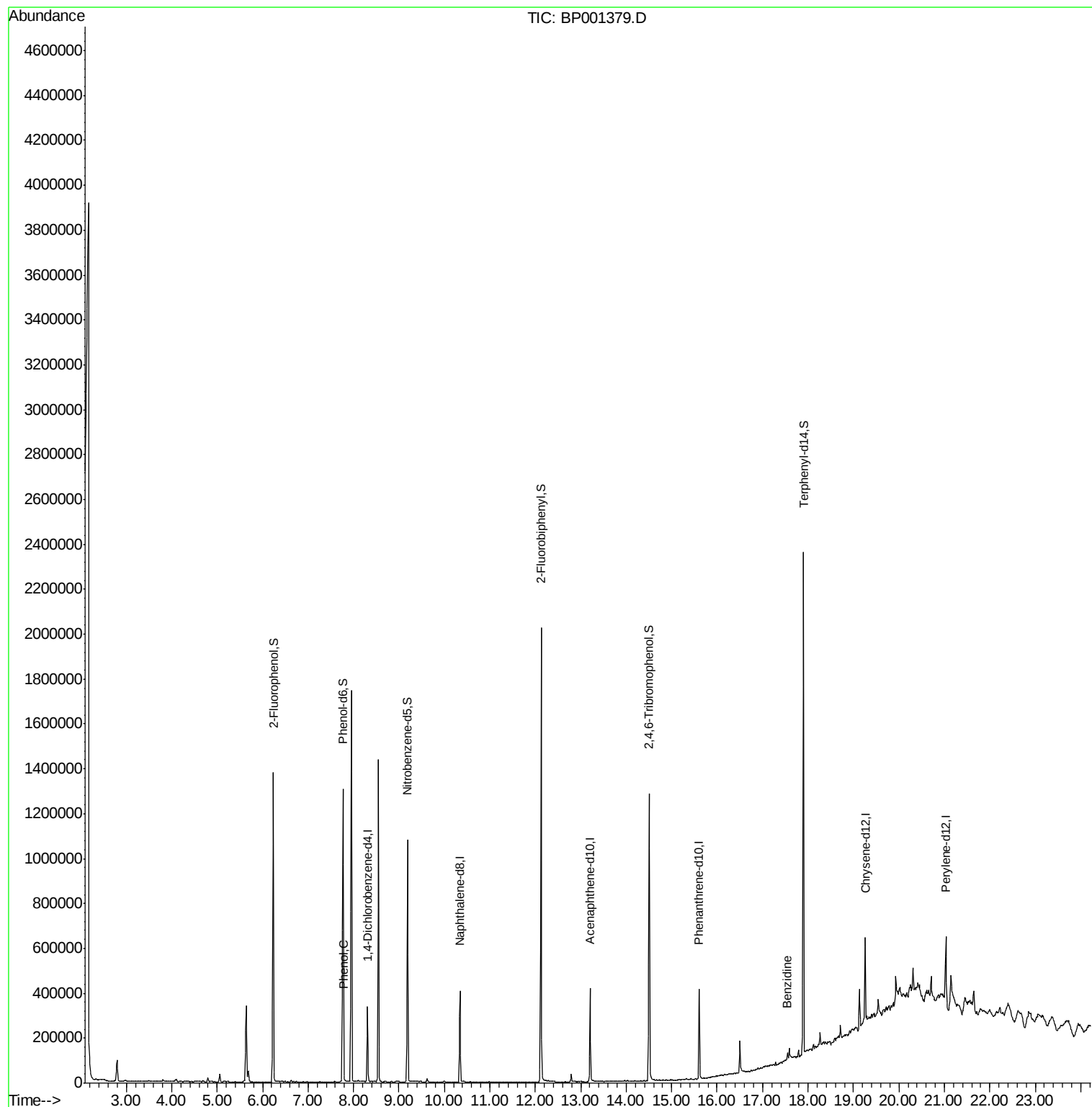
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	55767	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	199634	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	108564	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	192691	20.00	ng	0.00
76) Chrysene-d12	19.26	240	135317	20.00	ng	0.01
87) Perylene-d12	21.03	264	142309	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	415088	120.30	ng	0.04
7) Phenol-d6	7.77	99	495497	110.05	ng	0.02
23) Nitrobenzene-d5	9.19	82	446640	85.91	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	173181	127.59	ng	0.01
45) 2-Fluorobiphenyl	12.13	172	805970	93.87	ng	0.01
79) Terphenyl-d14	17.90	244	783956	99.23	ng	0.01
Target Compounds						
10) Phenol	7.79	94	13313	2.588	ng	# 76
77) Benzidine	17.55	184	15288	3.880	ng	# 93

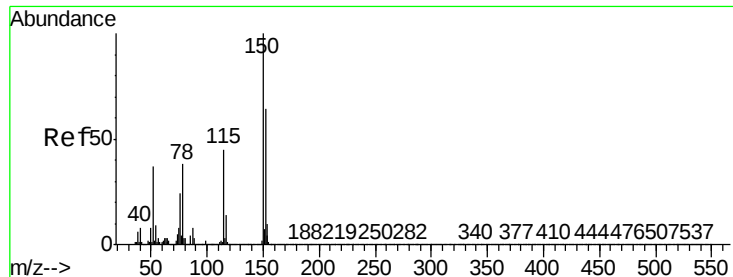
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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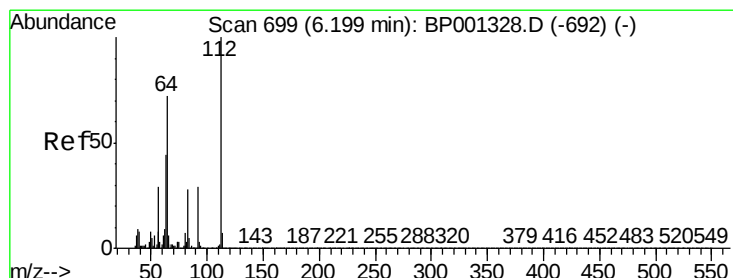
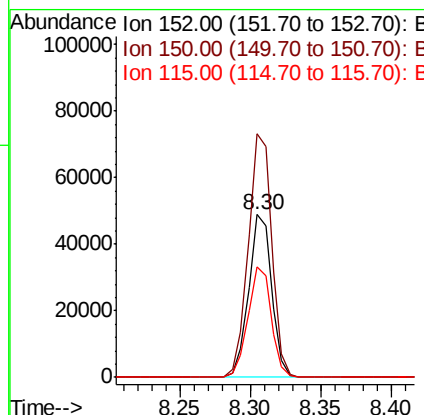
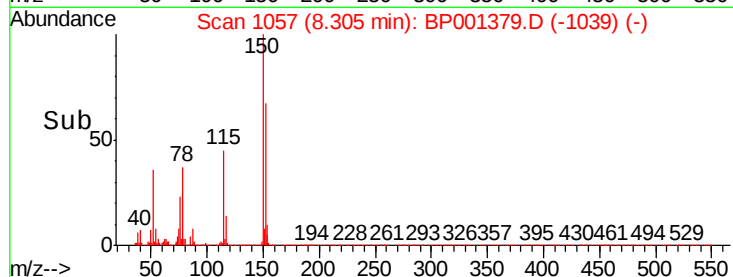
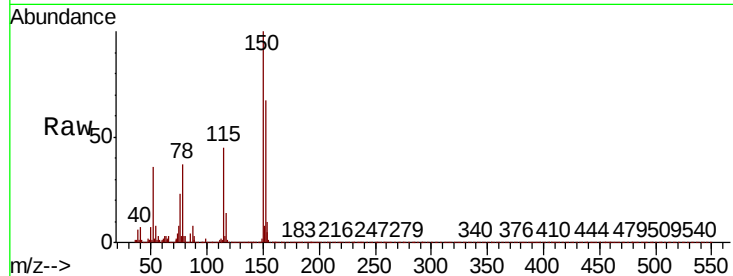




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: BP001379.D
 Acq: 23 Dec 2019 21:07

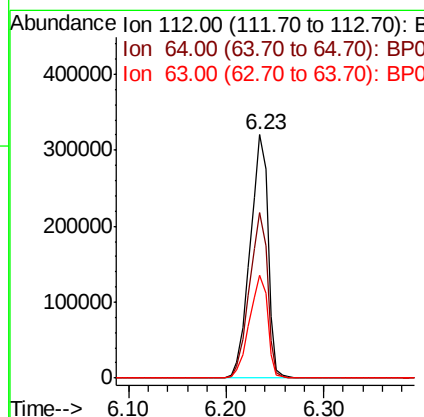
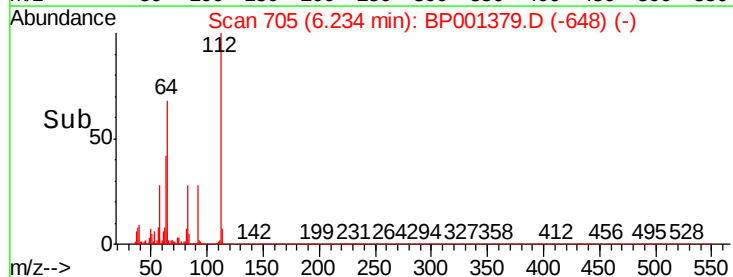
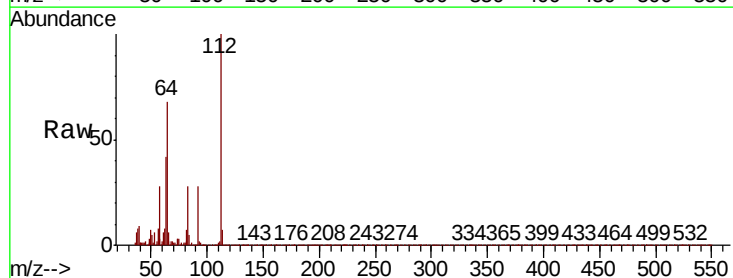
Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121919

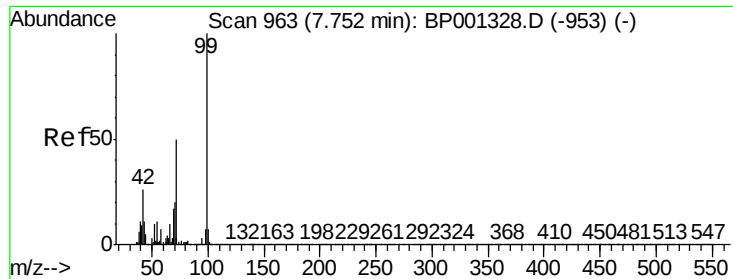
Tot Ion:	152	Resp:	55767
Ion	Ratio	Lower	Upper
152	100		
150	149.5	124.0	186.0
115	67.5	59.3	88.9



#5
 2-Fluorophenol
 Concen: 120.297 ng
 RT: 6.23 min Scan# 705
 Delta R.T. 0.04 min
 Lab File: BP001379.D
 Acq: 23 Dec 2019 21:07

Tgt Ion:	112	Resp:	415088
Ion	Ratio	Lower	Upper
112	100		
64	67.8	57.6	86.4
63	42.5	35.1	52.7





#7

Phenol-d6

Concen: 110.050 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.02 min

Lab File: BP001379.D

Acq: 23 Dec 2019 21:07

Instrument :

BNA_P

ClientSampleId :

TR-04-121919

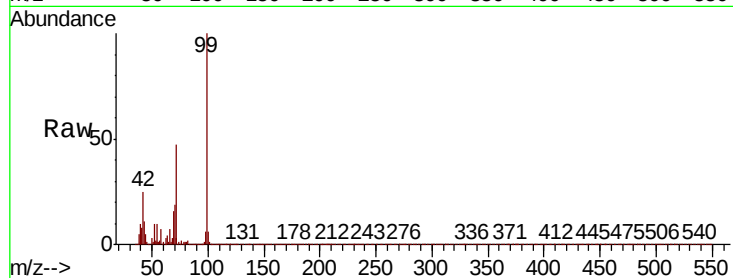
Tot Ion: 99 Resp: 495497

Ion Ratio Lower Upper

99 100

42 24.9 20.9 31.3

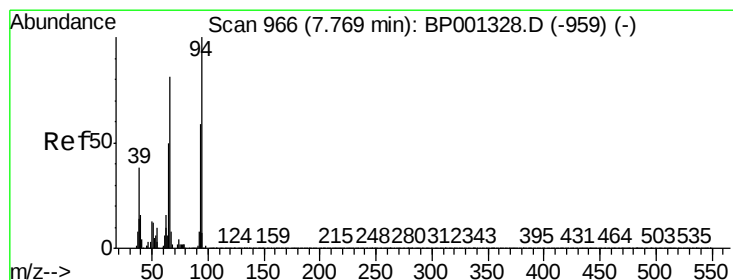
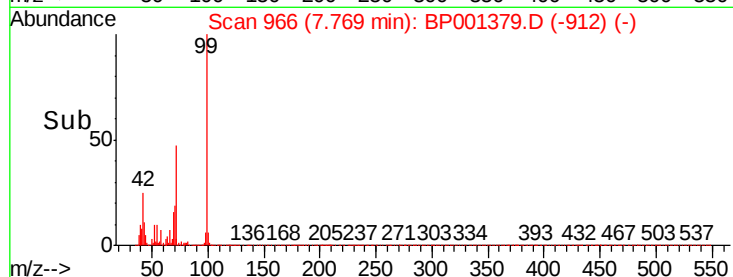
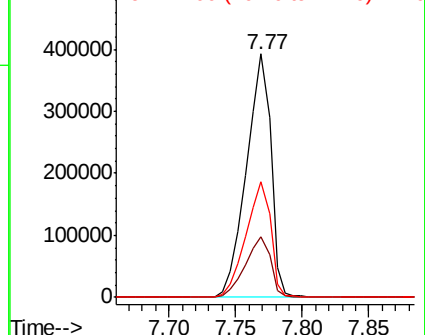
71 47.4 40.0 60.0



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



#10

Phenol

Concen: 2.588 ng

RT: 7.79 min Scan# 969

Delta R.T. 0.02 min

Lab File: BP001379.D

Acq: 23 Dec 2019 21:07

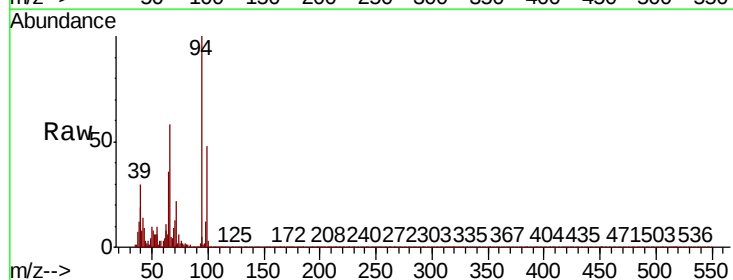
Tgt Ion: 94 Resp: 13313

Ion Ratio Lower Upper

94 100

65 36.1 30.4 70.4

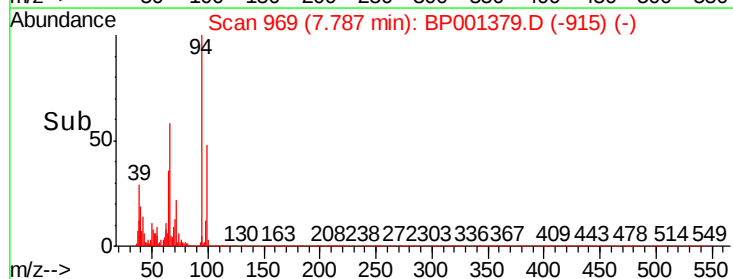
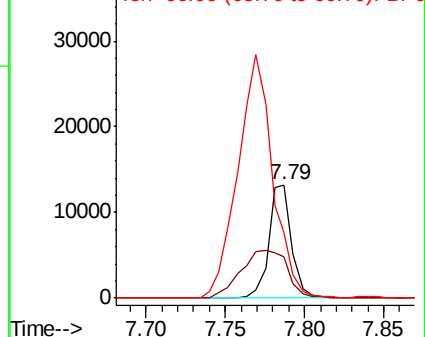
66 58.4 62.0 102.0#

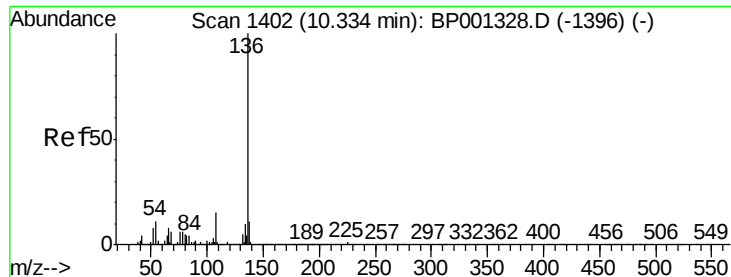


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

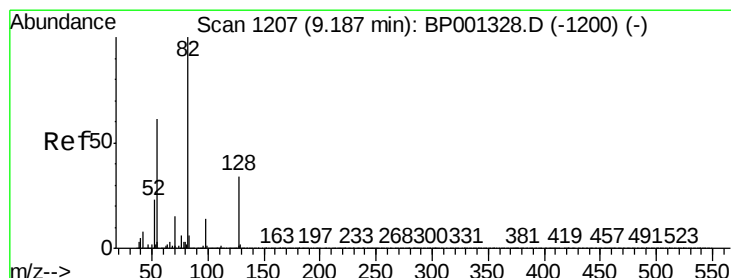
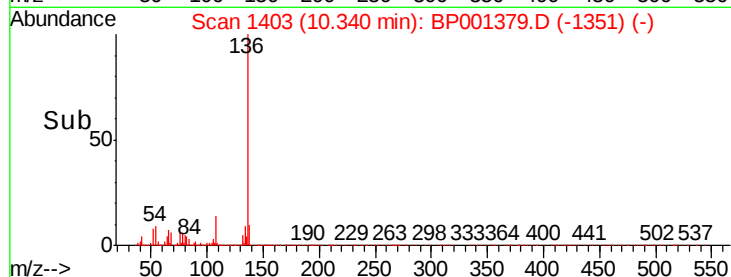
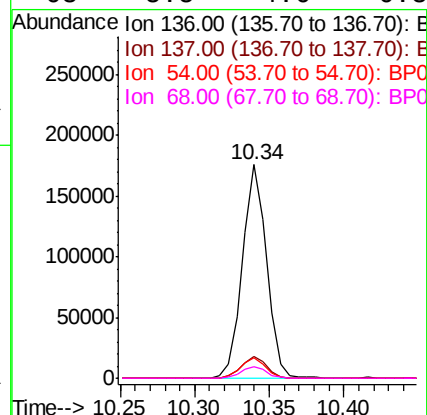
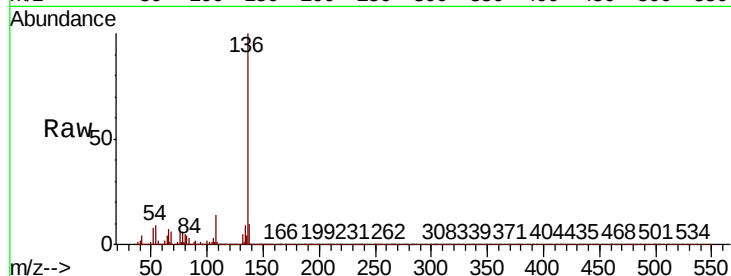




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. 0.01 min
Lab File: BP001379.D
Acq: 23 Dec 2019 21:07

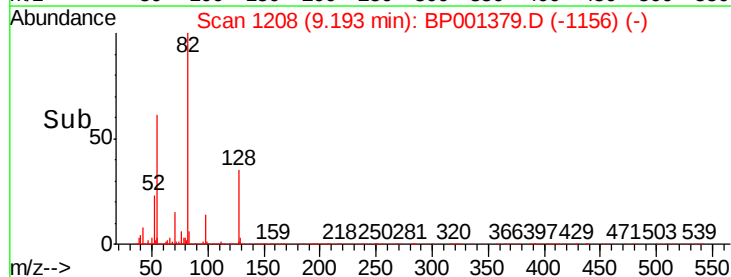
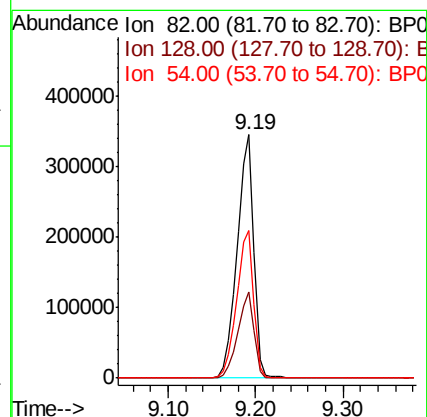
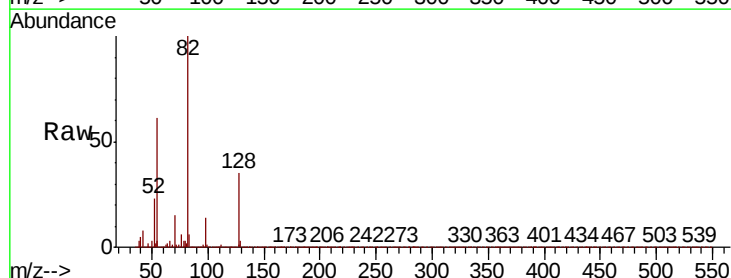
Instrument :
BNA_P
ClientSampleId :
TR-04-121919

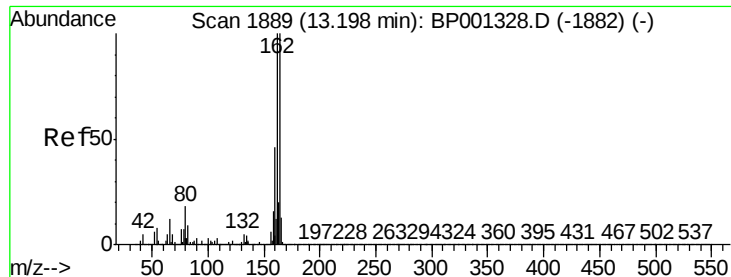
Tot Ion:136	Resp:	199634	
Ion Ratio	Lower	Upper	
136 100			
137 10.4	8.8	13.2	
54 9.4	8.8	13.2	
68 5.5	4.6	6.8	



#23
Nitrobenzene-d5
Concen: 85.915 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.01 min
Lab File: BP001379.D
Acq: 23 Dec 2019 21:07

Tgt Ion: 82	Resp: 446640
Ion Ratio	Lower Upper
82 100	
128 35.2	27.0 40.4
54 60.6	49.0 73.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1890

Delta R.T. 0.01 min

Lab File: BP001379.D

Acq: 23 Dec 2019 21:07

Instrument :

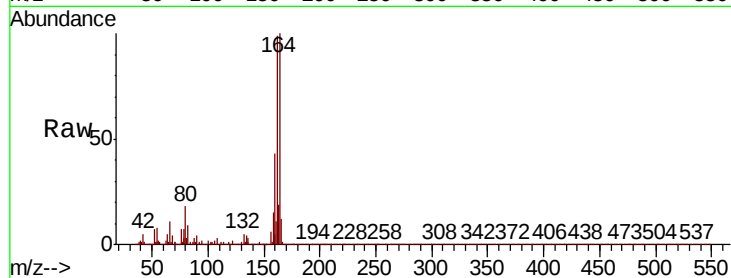
BNA_P

ClientSampleId :

TR-04-121919

Tot Ion:164 Resp: 108564

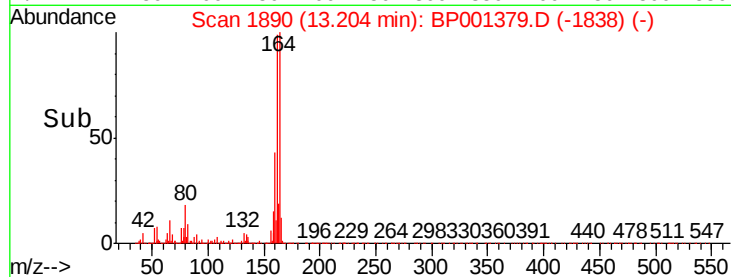
Ion	Ratio	Lower	Upper
164	100		
162	98.9	80.3	120.5
160	42.7	36.6	54.8



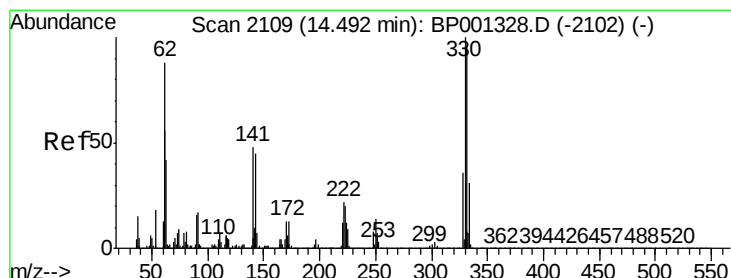
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 13.10 13.20 13.30



#42

2,4,6-Tribromophenol

Concen: 127.592 ng

RT: 14.50 min Scan# 2111

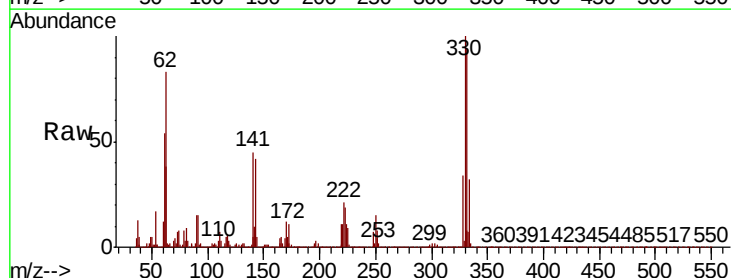
Delta R.T. 0.01 min

Lab File: BP001379.D

Acq: 23 Dec 2019 21:07

Tgt Ion:330 Resp: 173181

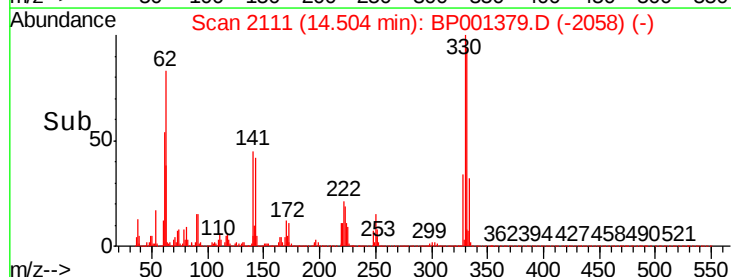
Ion	Ratio	Lower	Upper
330	100		
332	98.0	78.7	118.1
141	43.1	36.2	54.4



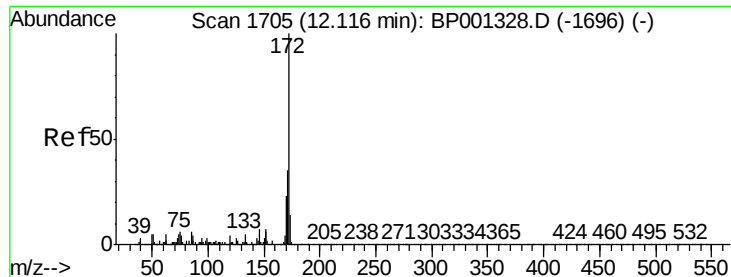
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 14.40 14.50 14.60

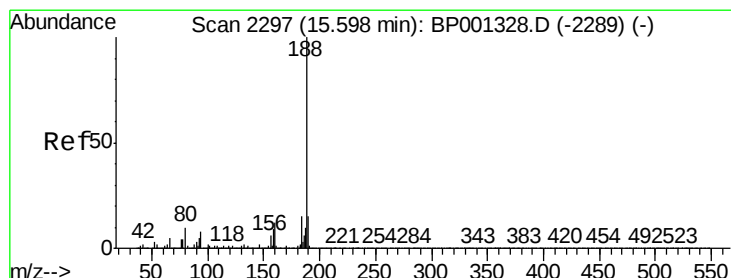
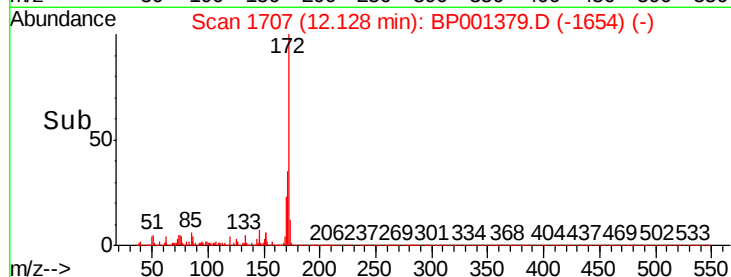
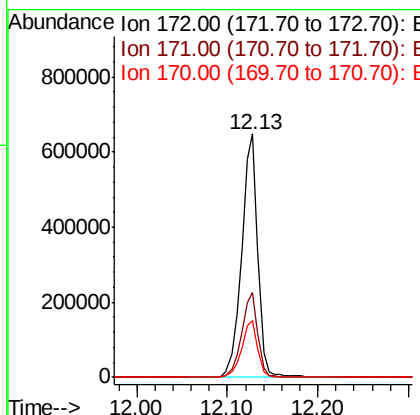
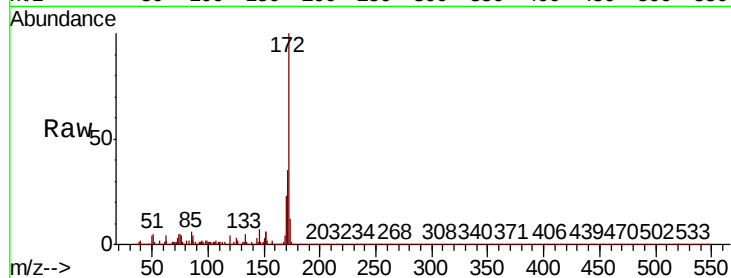


#45
 2-Fluorobiphenyl
 Concen: 93.874 ng
 RT: 12.13 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: BP001379.D
 Acq: 23 Dec 2019 21:07

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121919

Tot Ion:172 Resp: 805970

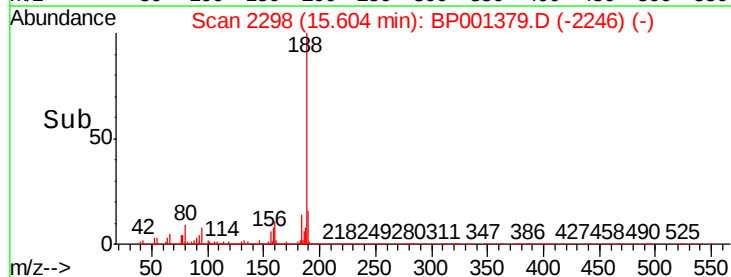
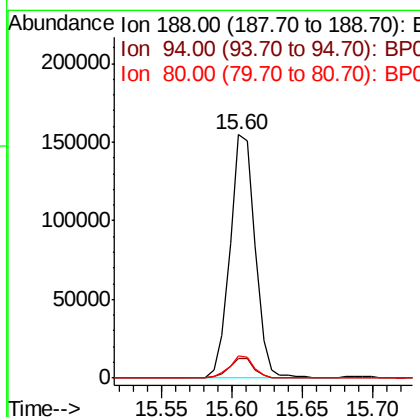
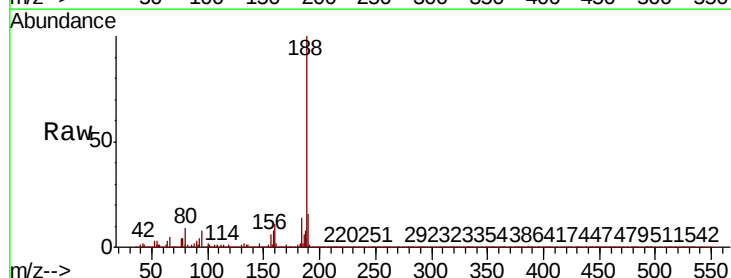
Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.1	18.6	28.0

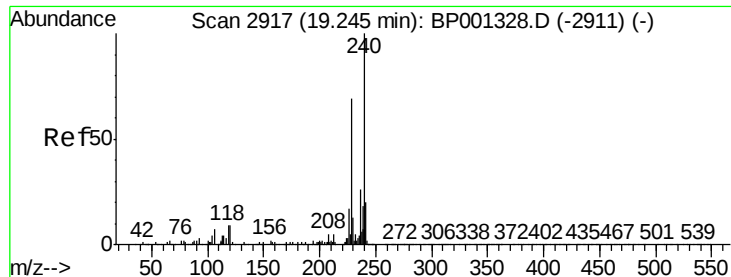


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2298
 Delta R.T. 0.01 min
 Lab File: BP001379.D
 Acq: 23 Dec 2019 21:07

Tgt Ion:188 Resp: 192691

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.6	10.0
80	9.0	7.8	11.6

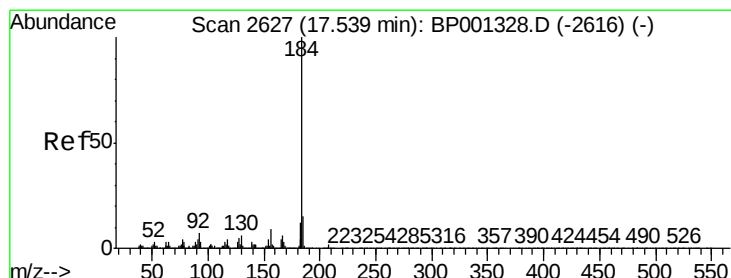
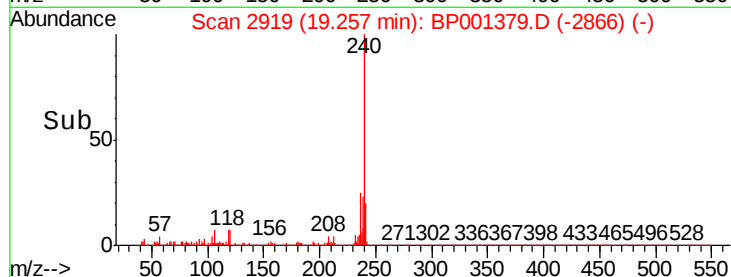
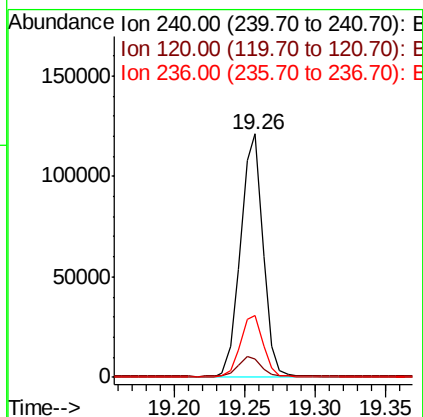
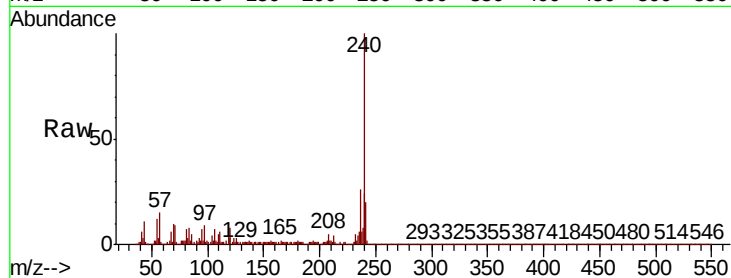




#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.26 min Scan# 2919
Delta R.T. 0.01 min
Lab File: BP001379.D
Acq: 23 Dec 2019 21:07

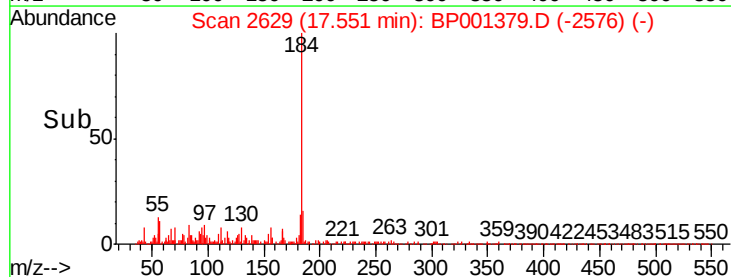
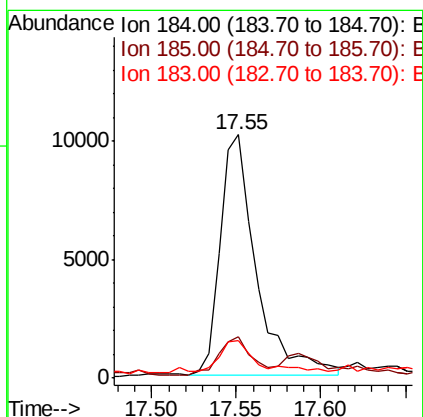
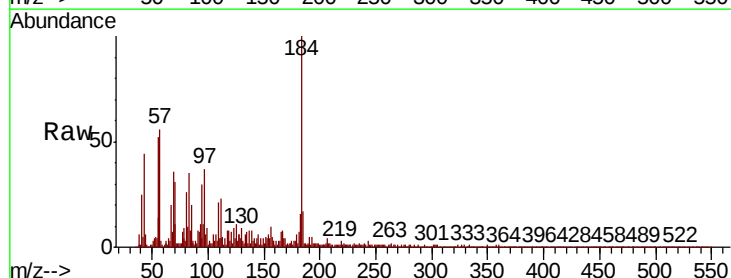
Instrument :
BNA_P
ClientSampleId :
TR-04-121919

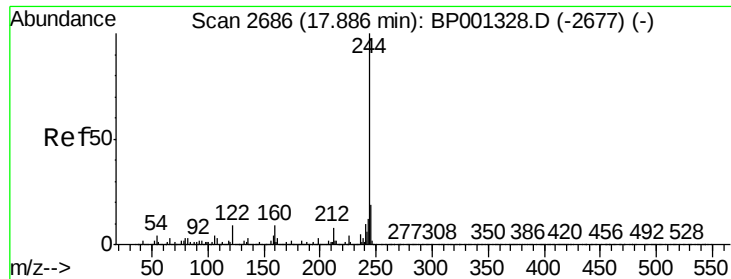
Tot Ion:240 Resp: 135317
Ion Ratio Lower Upper
240 100
120 7.5 7.6 11.4#
236 25.5 21.0 31.4



#77
Benzidine
Concen: 3.880 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BP001379.D
Acq: 23 Dec 2019 21:07

Tgt Ion:184 Resp: 15288
Ion Ratio Lower Upper
184 100
185 16.7 11.7 17.5
183 15.6 9.8 14.8#





#79

Terphenyl-d14

Concen: 99.229 ng

RT: 17.90 min Scan# 2688

Delta R.T. 0.01 min

Lab File: BP001379.D

Acq: 23 Dec 2019 21:07

Instrument :

BNA_P

ClientSampleId :

TR-04-121919

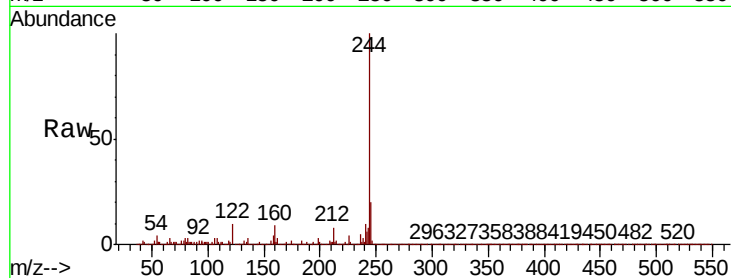
Tot Ion:244 Resp: 783956

Ion Ratio Lower Upper

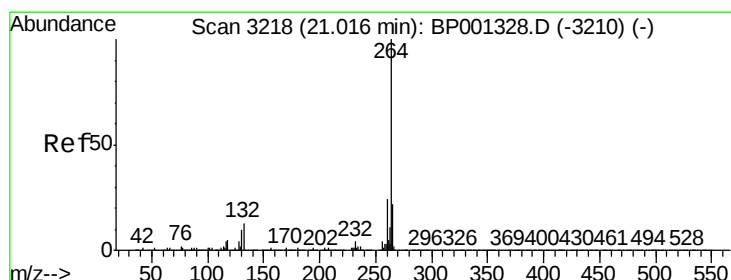
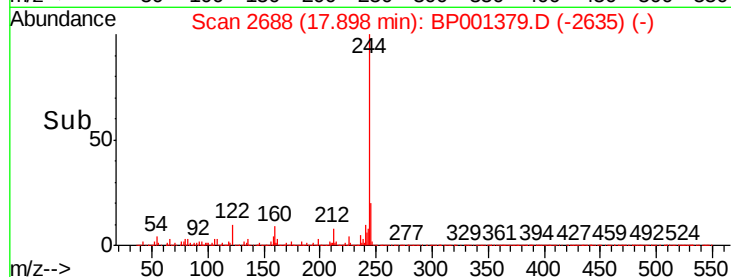
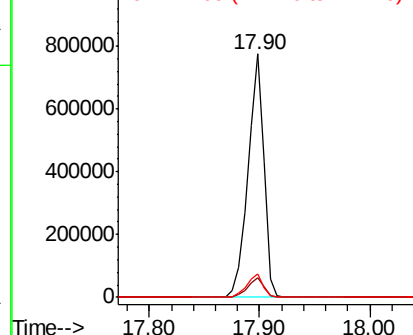
244 100

212 8.3 6.6 9.8

122 9.8 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



#87

Perylene-d12

Concen: 20.000 ng

RT: 21.03 min Scan# 3221

Delta R.T. 0.02 min

Lab File: BP001379.D

Acq: 23 Dec 2019 21:07

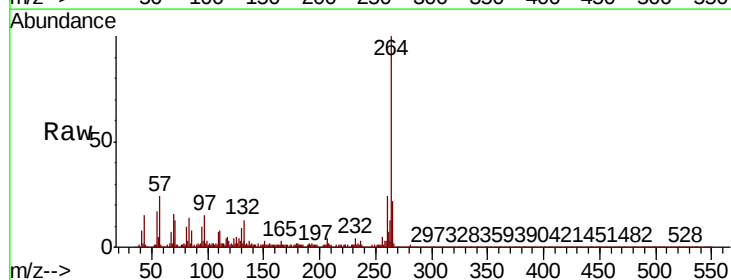
Tgt Ion:264 Resp: 142309

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.9 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

