

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001031.D
 Acq On : 11 Nov 2019 22:39
 Operator : JU
 Sample : K5778-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 12 04:18:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	237826	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	857201	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	494936	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	977649	20.00	ng	0.00
76) Chrysene-d12	19.29	240	806239	20.00	ng	0.00
87) Perylene-d12	21.08	264	827565	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.31	112	1265598	96.86	ng	0.01
7) Phenol-d6	7.82	99	1652952	100.04	ng	0.00
23) Nitrobenzene-d5	9.25	82	1028481	66.37	ng	0.00
42) 2,4,6-Tribromophenol	14.56	330	620782	105.07	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	2116541	64.41	ng	0.00
79) Terphenyl-d14	17.94	244	2588336	63.86	ng	0.00

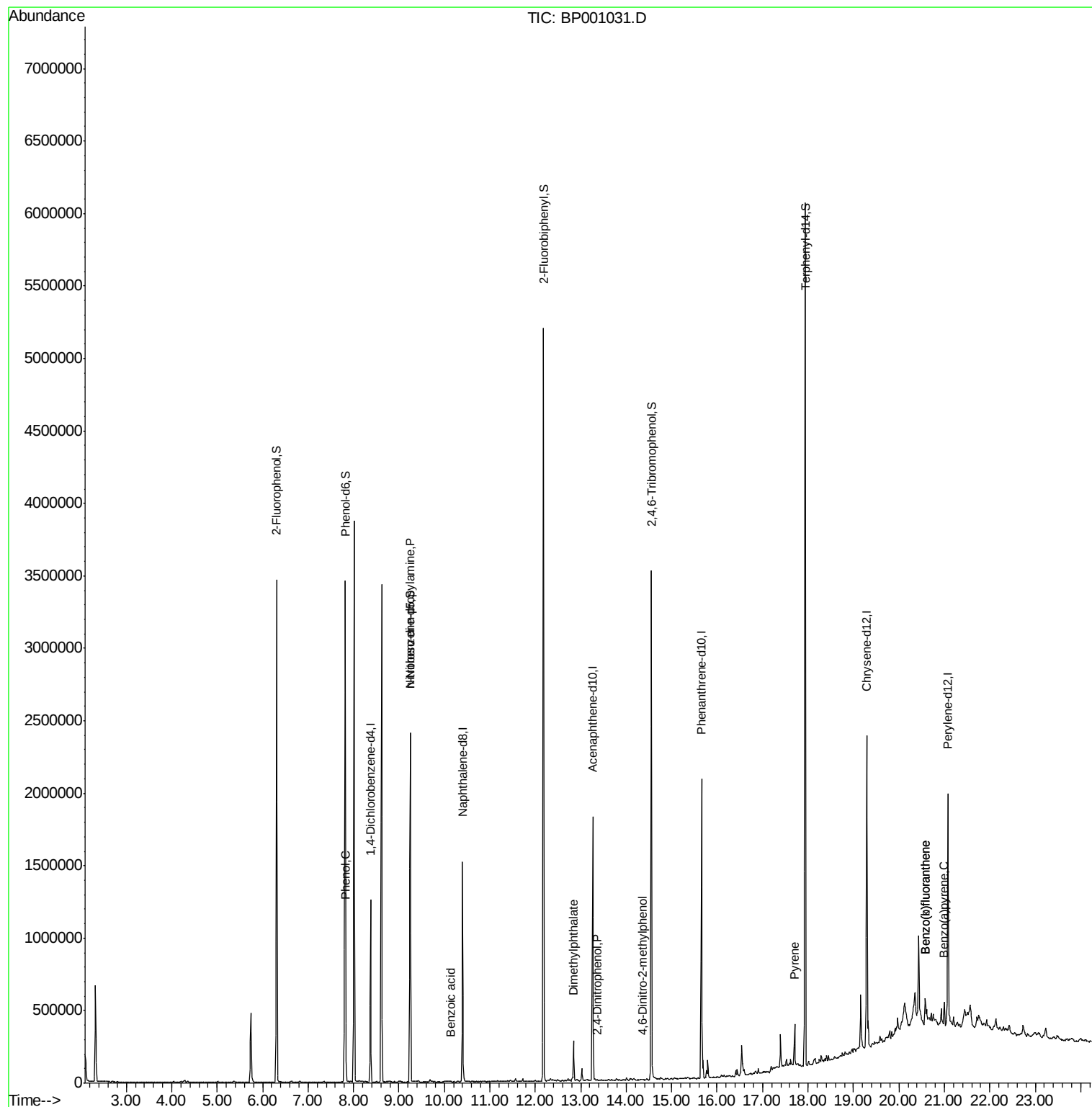
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.83	94	103473	5.725	ng	95
19) n-Nitroso-di-n-propylamine	9.25	70	137860	13.895	ng	# 78
32) Benzoic acid	10.14	122	64	7.676	ng	92
50) Dimethylphthalate	12.85	163	145035	3.963	ng	100
54) 2,4-Dinitrophenol	13.37	184	26	8.318	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.37	198	47	9.894	ng	# 1
78) Pyrene	17.70	202	138317	2.428	ng	99
88) Benzo(b)fluoranthene	20.58	252	122913	2.492	ng	95
89) Benzo(k)fluoranthene	20.58	252	122913	2.647	ng	94
90) Benzo(a)pyrene	21.00	252	95264	2.100	ng	97

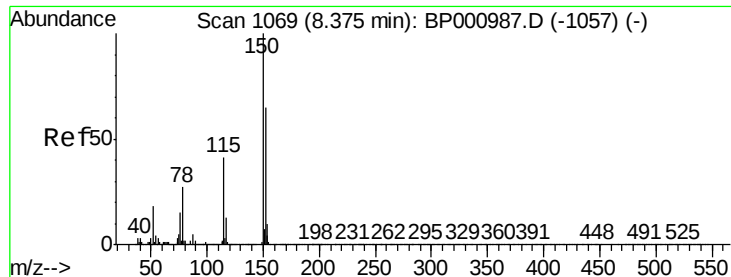
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.38 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

Instrument :

BNA_P

ClientSampleId :

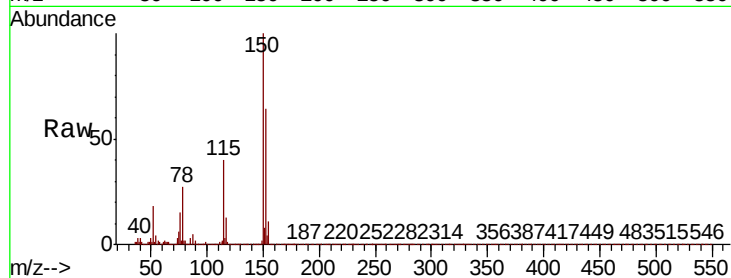
Tot Ion:152 Resp: 237826

Ion Ratio Lower Upper

152 100

150 155.6 123.6 185.4

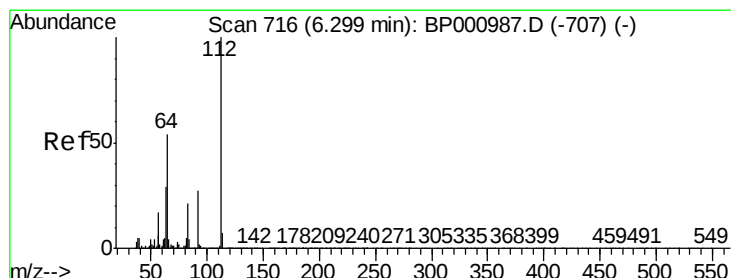
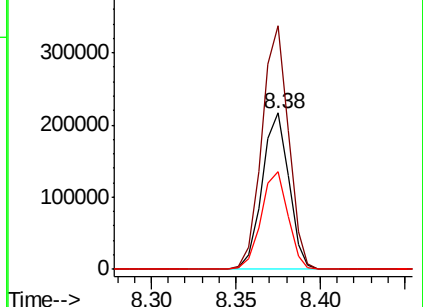
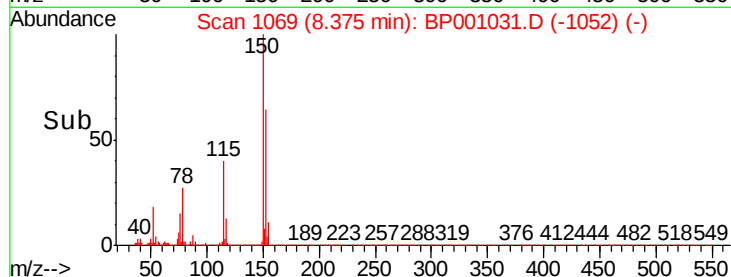
115 62.3 50.1 75.1



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: 96.861 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

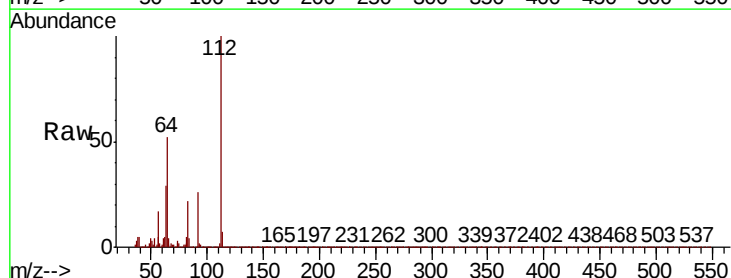
Tgt Ion:112 Resp: 1265598

Ion Ratio Lower Upper

112 100

64 51.8 43.4 65.0

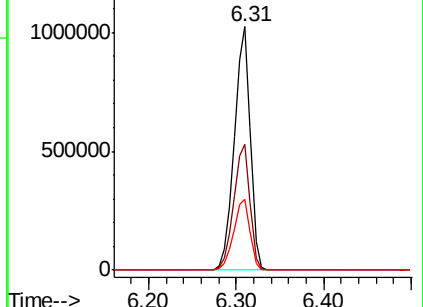
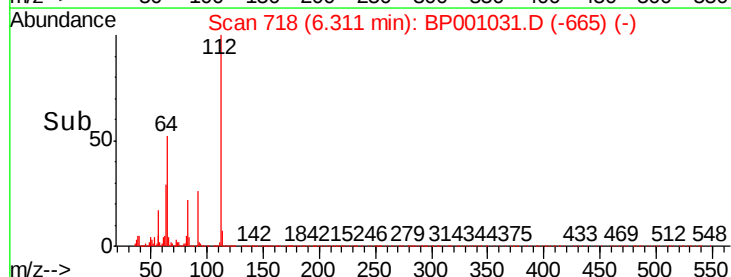
63 29.3 23.4 35.0

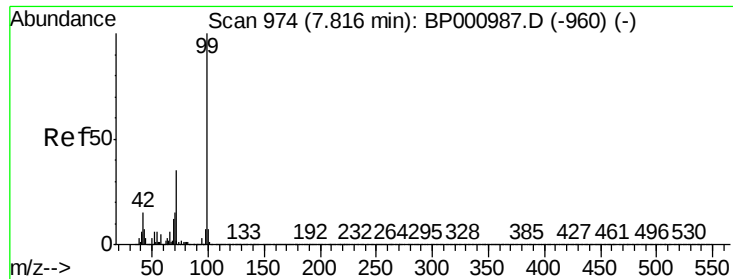


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 100.040 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

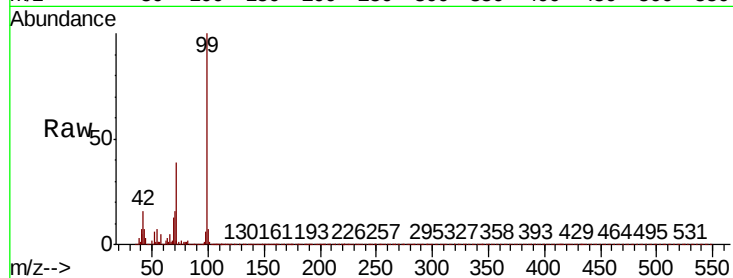
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1652952

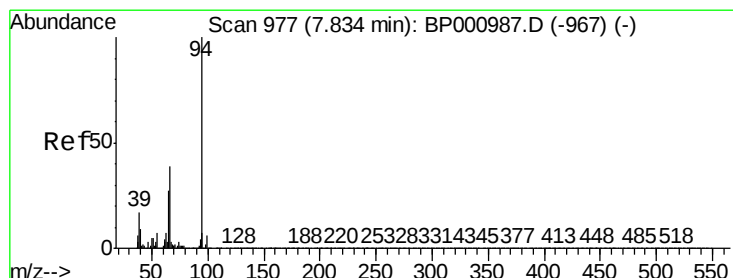
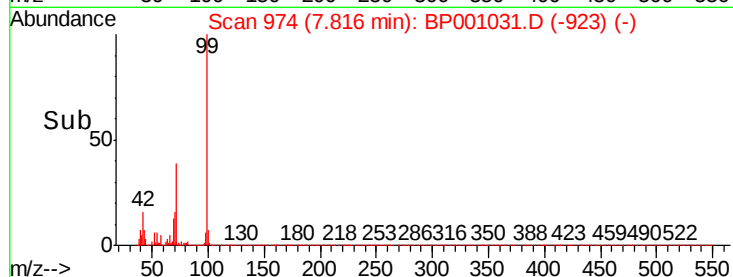
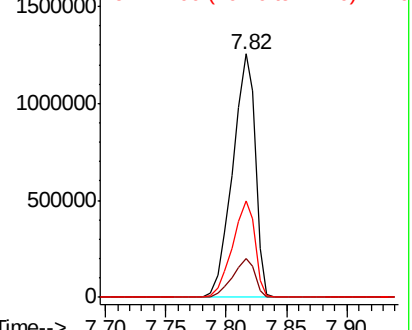
Ion	Ratio	Lower	Upper
99	100		
42	15.7	11.6	17.4
71	39.4	28.0	42.0



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: 5.725 ng

RT: 7.83 min Scan# 977

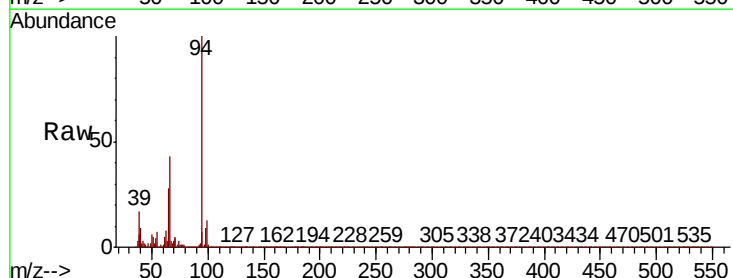
Delta R.T. -0.00 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

Tgt Ion: 94 Resp: 103473

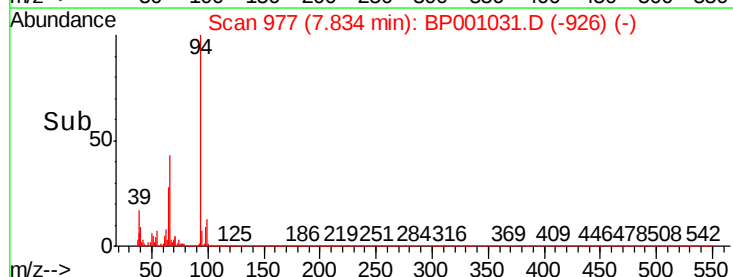
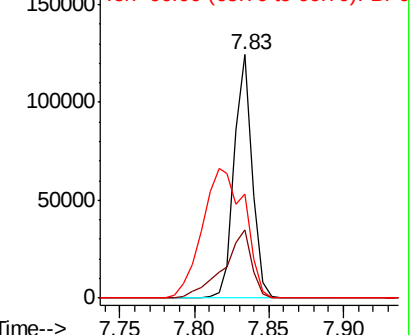
Ion	Ratio	Lower	Upper
94	100		
65	28.2	6.7	46.7
66	42.7	18.6	58.6

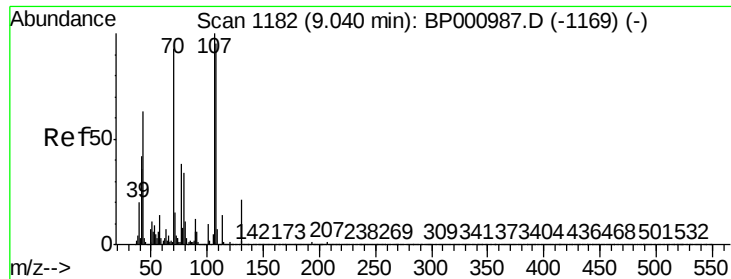


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

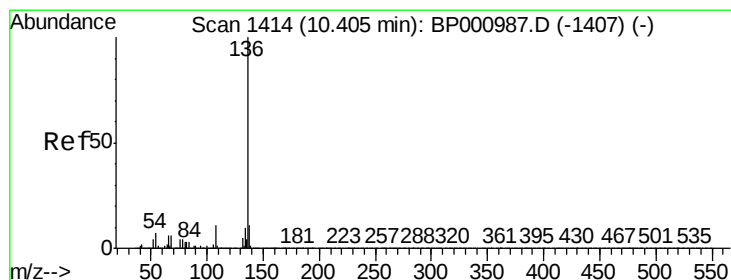
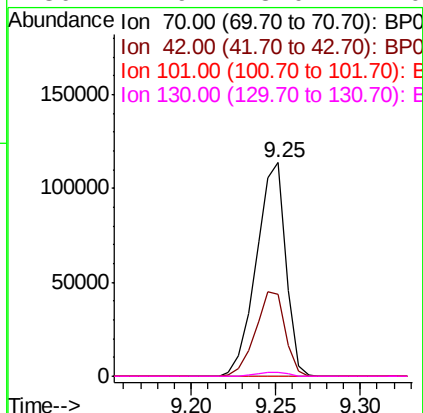
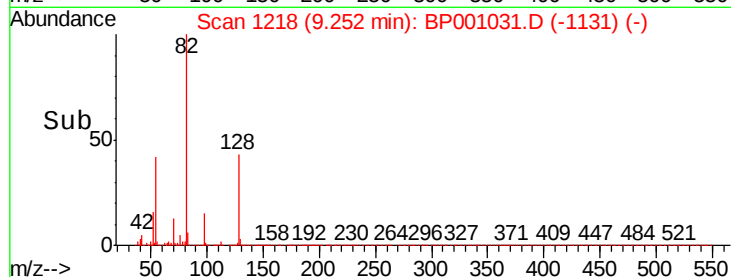
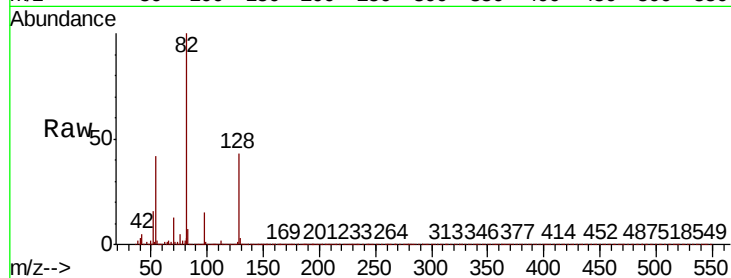




#19
n-Nitroso-di-n-propylamine
Concen: 13.895 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.21 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

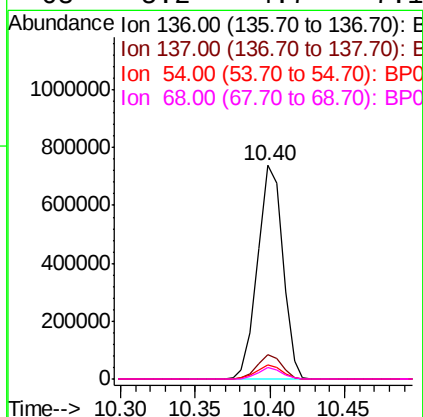
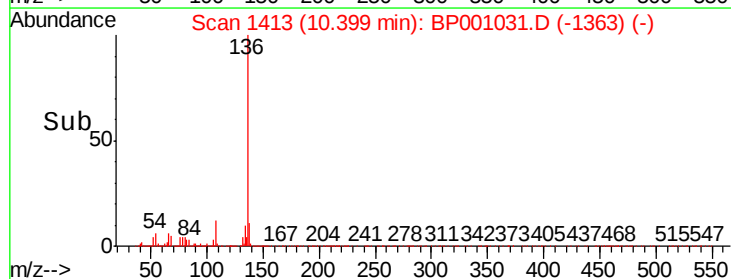
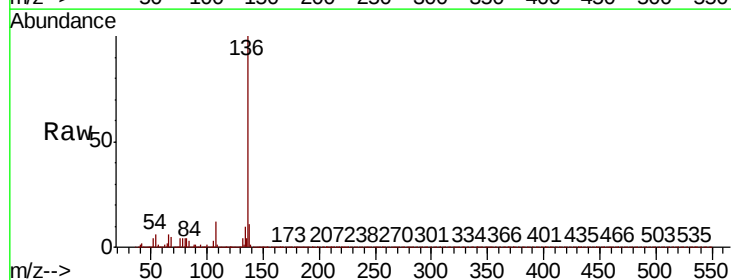
Instrument :
BNA_P
ClientSampleId :

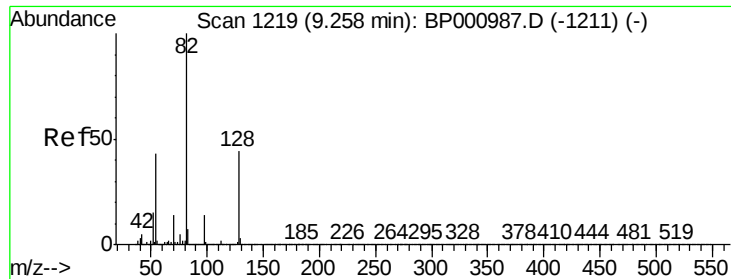
Tot Ion: 70 Resp: 137860
Ion Ratio Lower Upper
70 100
42 38.6 36.3 54.5
101 0.0 8.7 13.1#
130 1.9 18.0 27.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Tgt Ion: 136 Resp: 857201
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 6.4 5.4 8.2
68 5.2 4.7 7.1

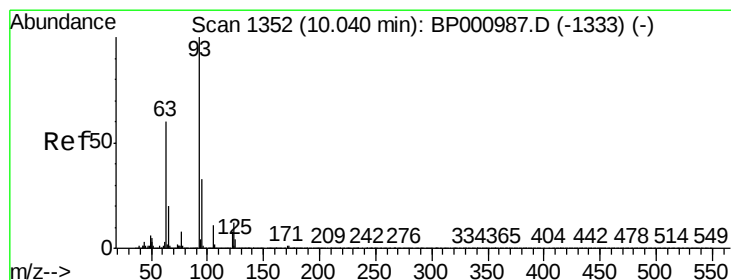
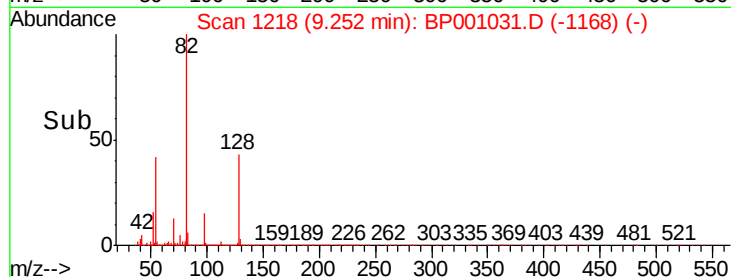
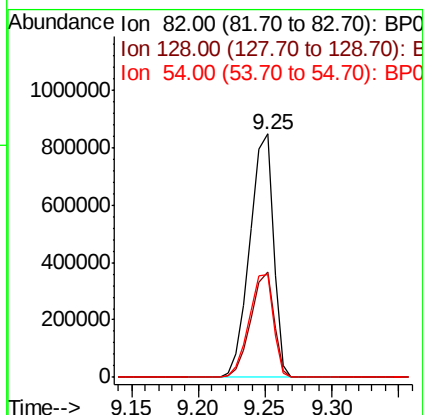
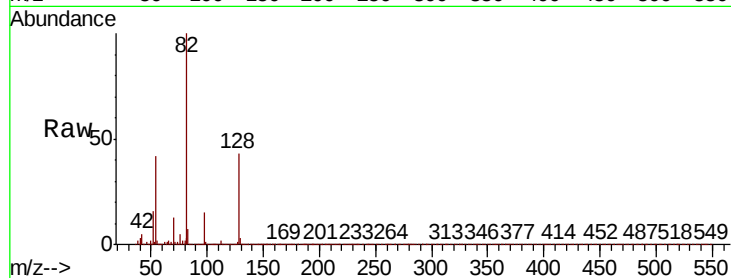




#23
Nitrobenzene-d5
Concen: 66.370 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

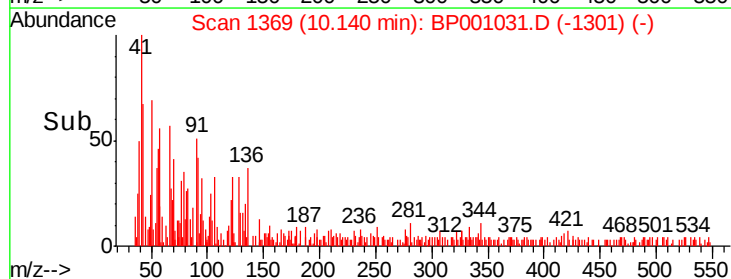
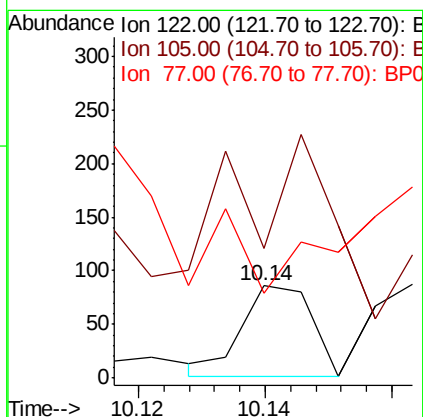
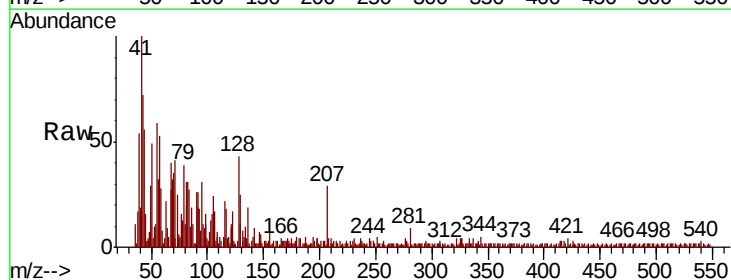
Instrument :
BNA_P
ClientSampleId :

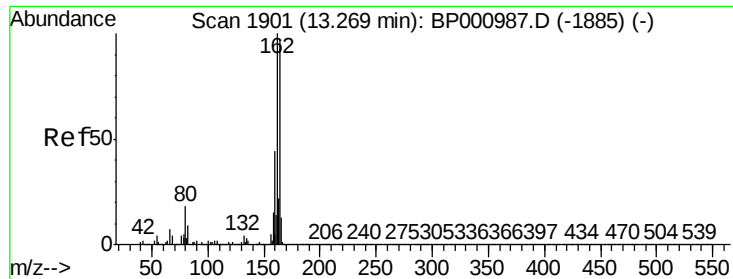
Tot Ion: 82 Resp: 1028481
Ion Ratio Lower Upper
82 100
128 43.3 35.3 52.9
54 42.4 34.3 51.5



#32
Benzoic acid
Concen: 7.676 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.10 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Tgt Ion:122 Resp: 64
Ion Ratio Lower Upper
122 100
105 140.7 110.5 150.5
77 91.9 77.9 117.9

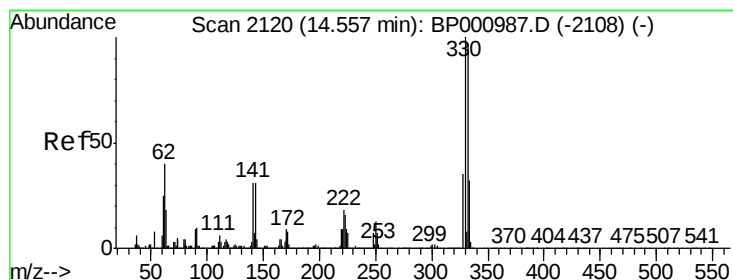
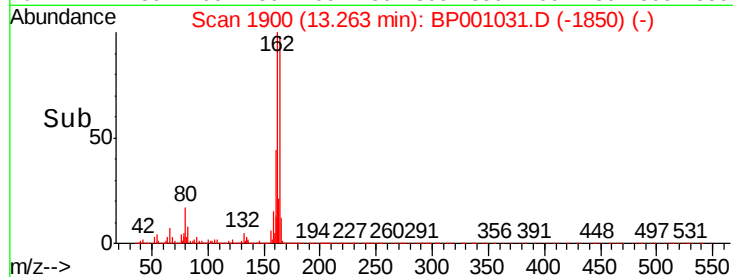
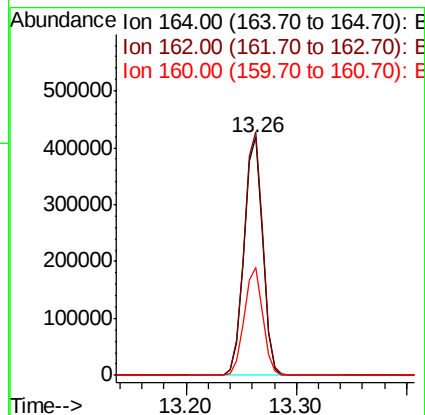
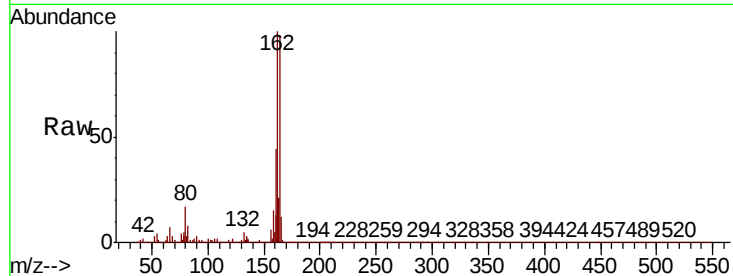




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

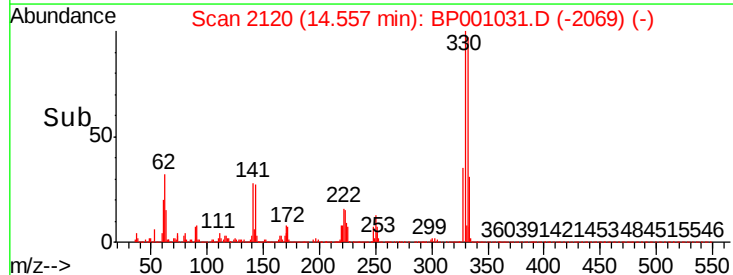
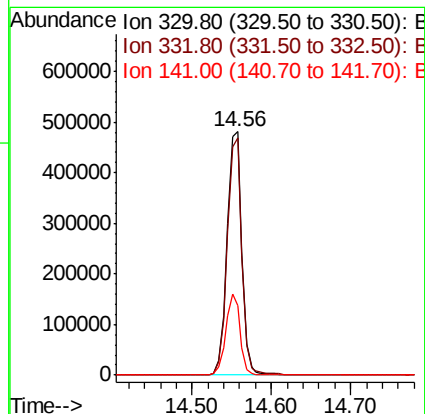
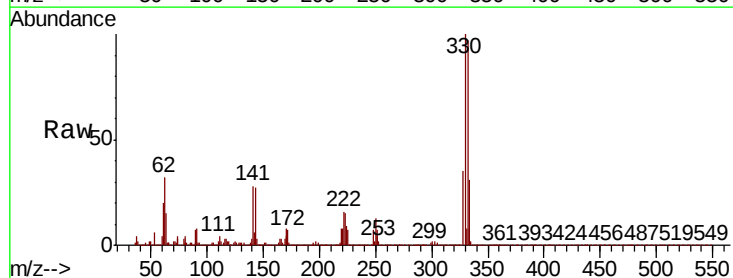
Instrument :
BNA_P
ClientSampleId :

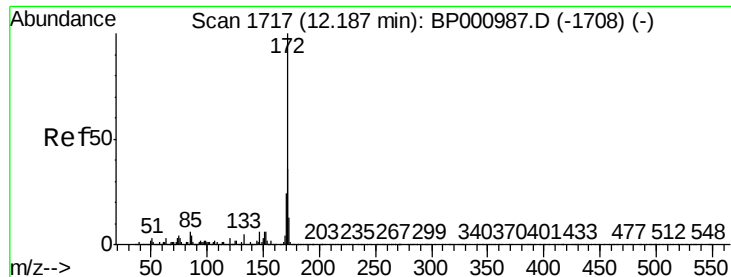
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	123.8
160	45.3	36.5	54.7



#42
2,4,6-Tribromophenol
Concen: 105.068 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.3	117.5
141	31.9	25.0	37.4

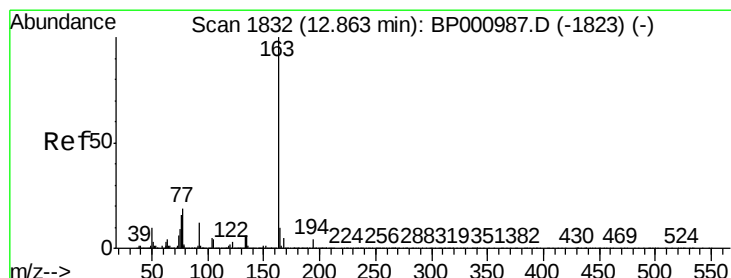
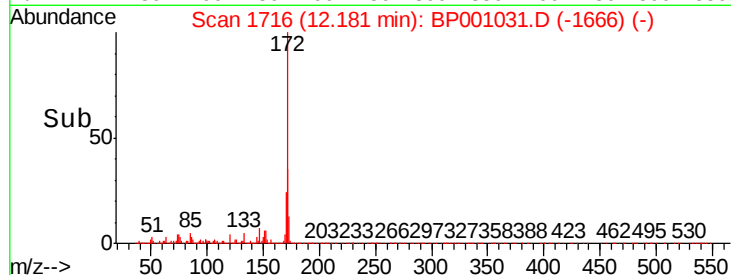
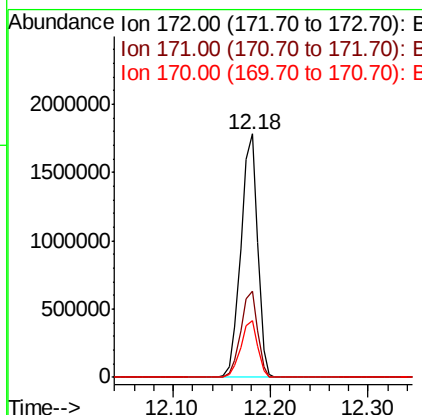
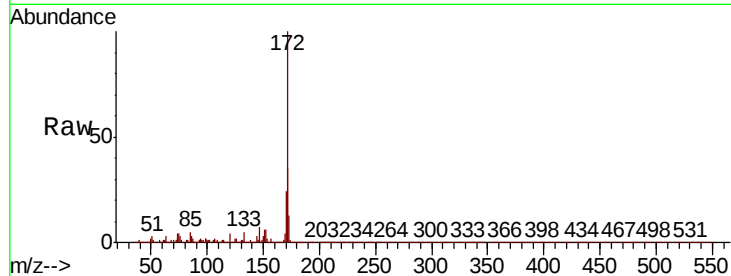




#45
2-Fluorobiphenyl
Concen: 64.406 ng
RT: 12.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

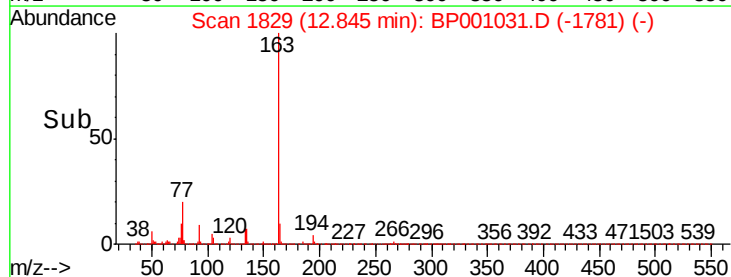
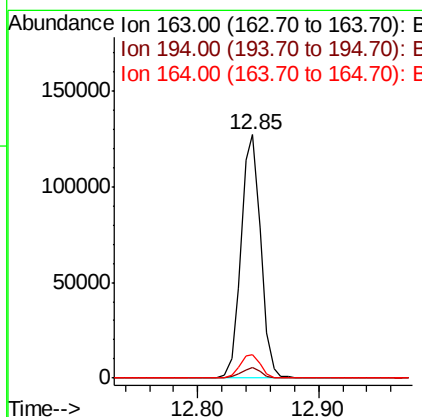
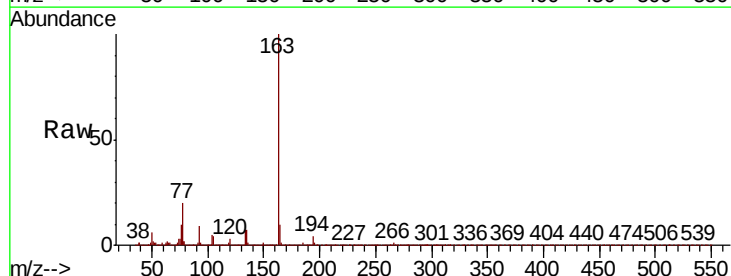
Instrument :
BNA_P
ClientSampleId :

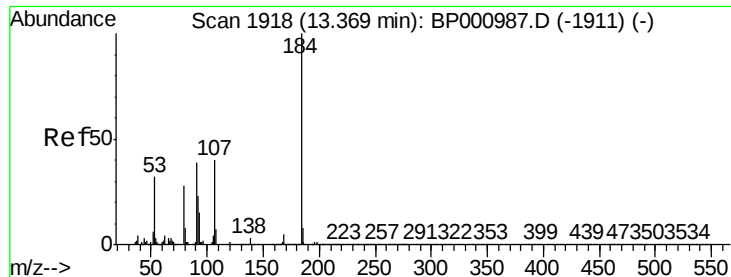
Tot Ion:172 Resp: 2116541
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.5 18.9 28.3



#50
Dimethylphthalate
Concen: 3.963 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Tgt Ion:163 Resp: 145035
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 9.8 7.9 11.9

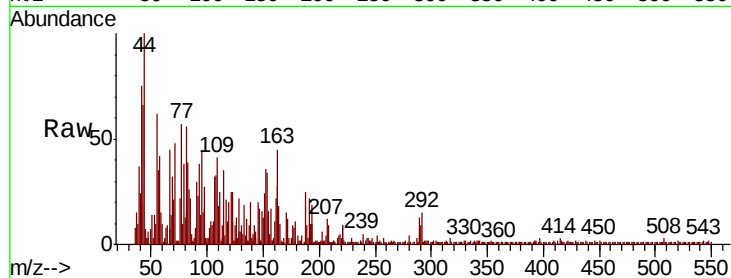




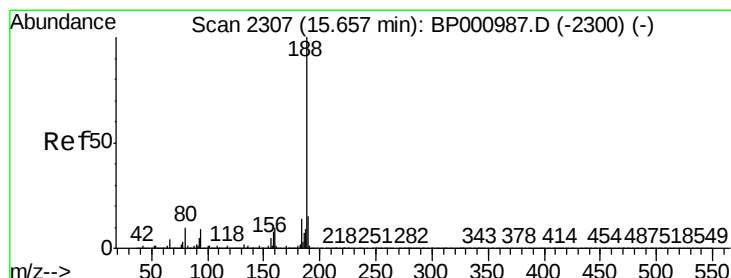
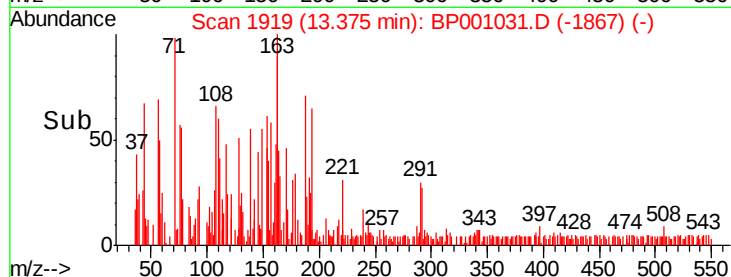
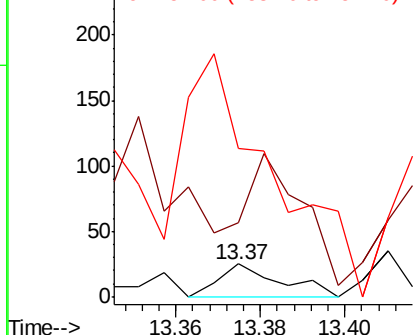
#54
2,4-Dinitrophenol
Concen: 8.318 ng
RT: 13.37 min Scan# 1919
Delta R.T. 0.01 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Instrument :
BNA_P
ClientSampleId :

Tot Ion:184 Resp: 26
Ion Ratio Lower Upper
184 100
63 228.0 41.0 61.6#
154 452.0 48.1 72.1#

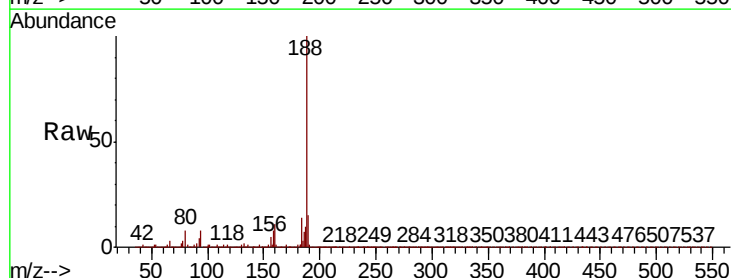


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BP0
Ion 154.00 (153.70 to 154.70): E

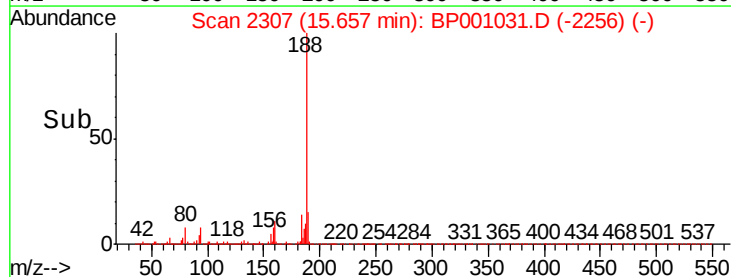
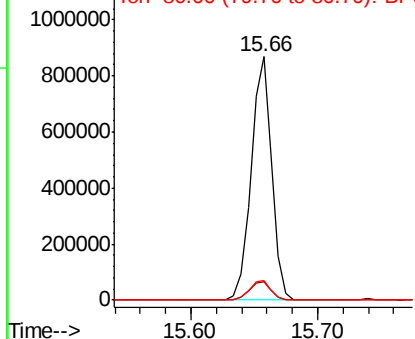


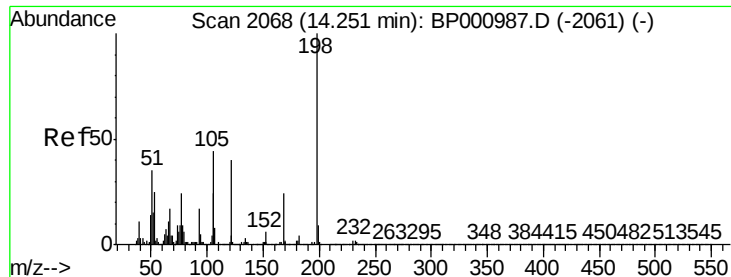
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Tgt Ion:188 Resp: 977649
Ion Ratio Lower Upper
188 100
94 7.7 7.4 11.2
80 7.8 7.9 11.9#



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





#65

4,6-Dinitro-2-methylphenol

Concen: 9.894 ng

RT: 14.37 min Scan# 2088

Delta R.T. 0.12 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

Instrument :

BNA_P

ClientSampled :

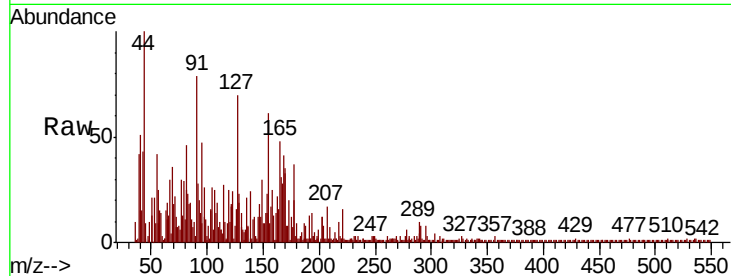
Tot Ion:198 Resp: 47

Ion Ratio Lower Upper

198 100

51 415.4 16.0 56.0#

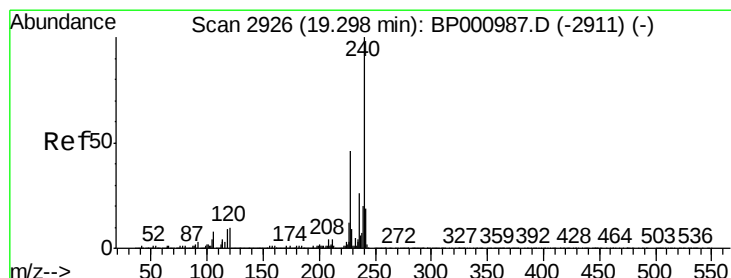
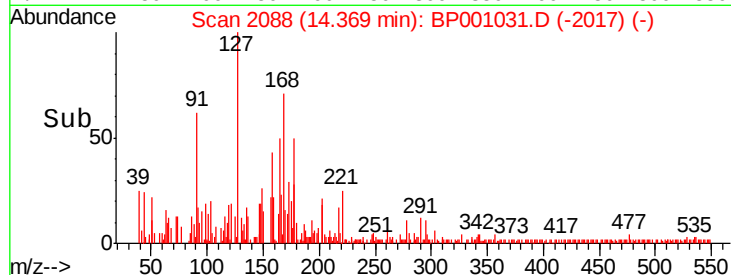
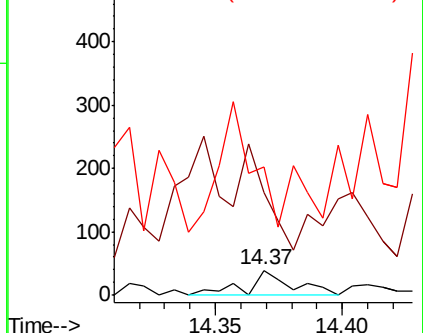
105 517.9 24.9 64.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.29 min Scan# 2925

Delta R.T. -0.01 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

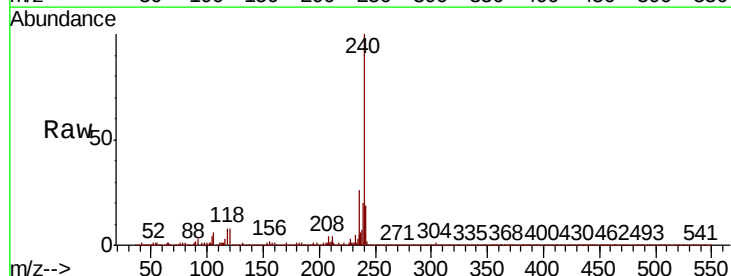
Tgt Ion:240 Resp: 806239

Ion Ratio Lower Upper

240 100

120 8.4 8.2 12.2

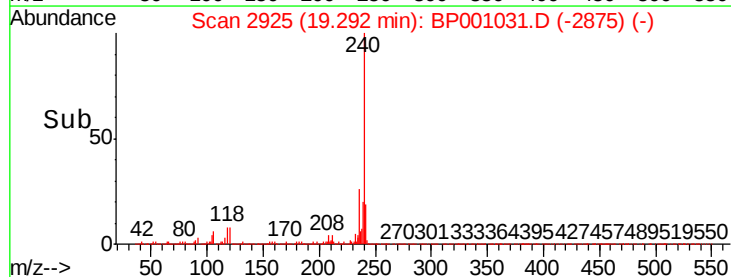
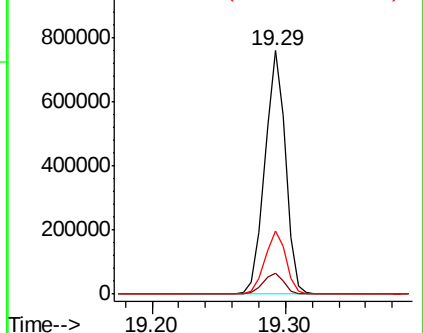
236 26.0 20.5 30.7

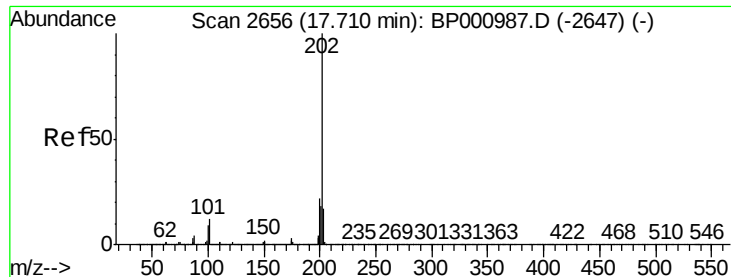


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 2.428 ng

RT: 17.70 min Scan# 2655

Delta R.T. -0.01 min

Lab File: BP001031.D

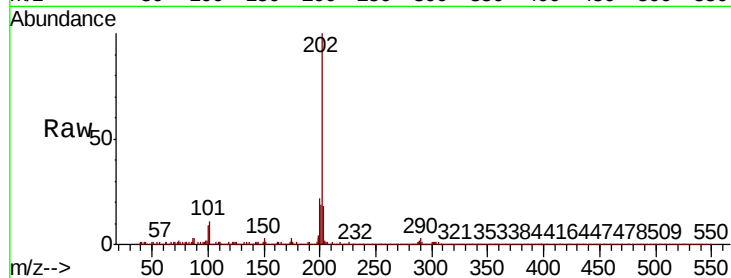
Acq: 11 Nov 2019 22:39

Instrument :

BNA_P

ClientSampleId :

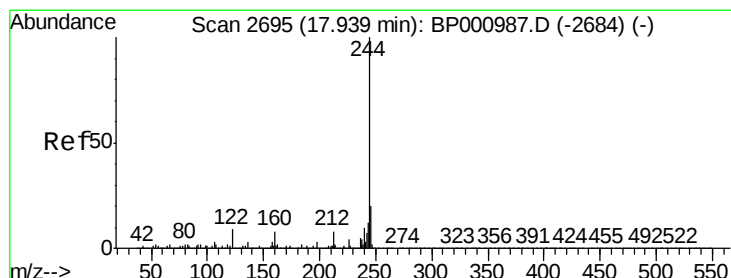
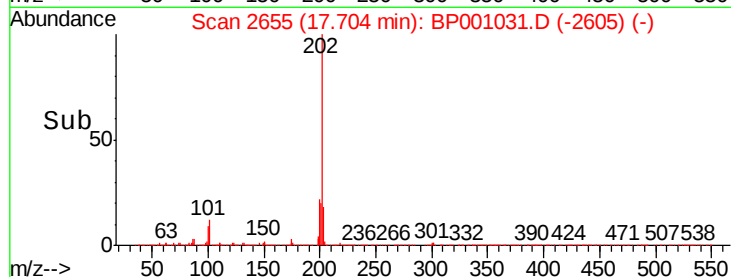
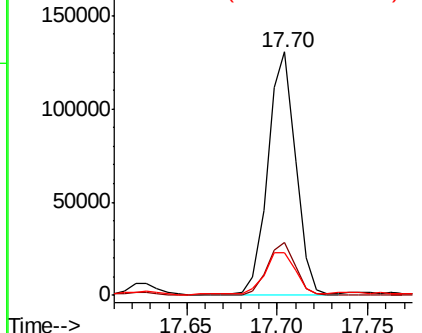
Tot Ion:	202	Resp:	138317
Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.2	25.8
203	17.8	14.0	21.0



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: 63.859 ng

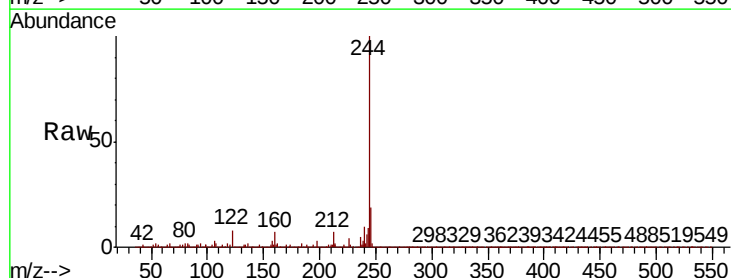
RT: 17.94 min Scan# 2695

Delta R.T. -0.00 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

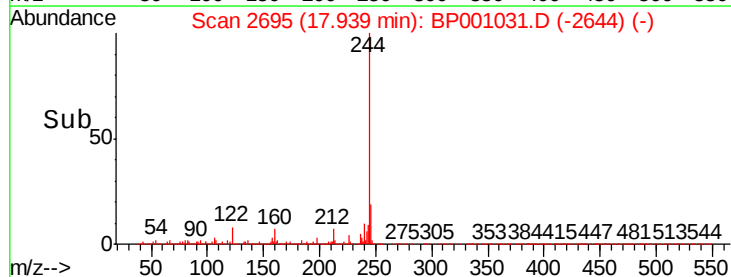
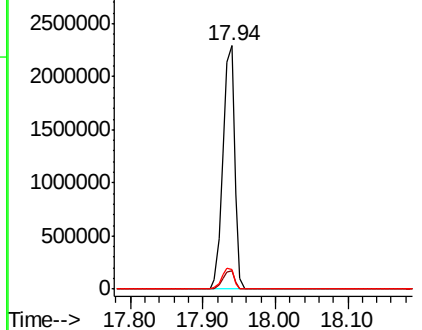
Tgt Ion:	244	Resp:	2588336
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	8.0	7.4	11.2

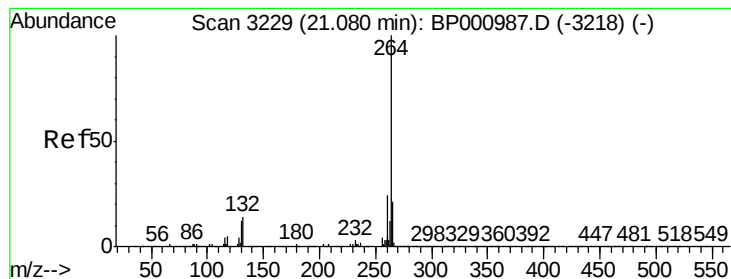


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.08 min Scan# 3229

Delta R.T. -0.00 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

Instrument :

BNA_P

ClientSampleId :

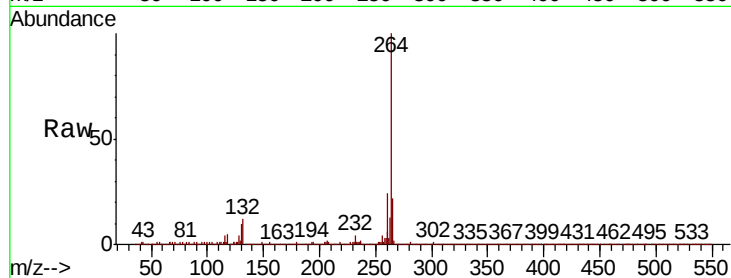
Tot Ion:264 Resp: 827565

Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.0 17.1 25.7

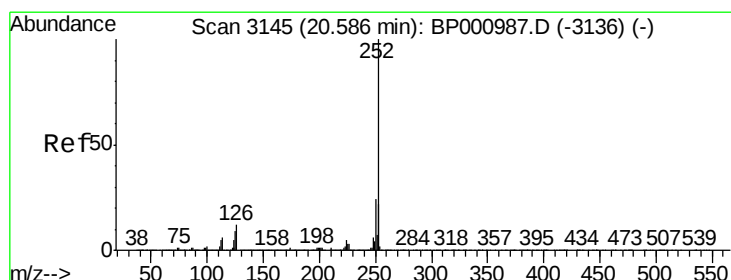
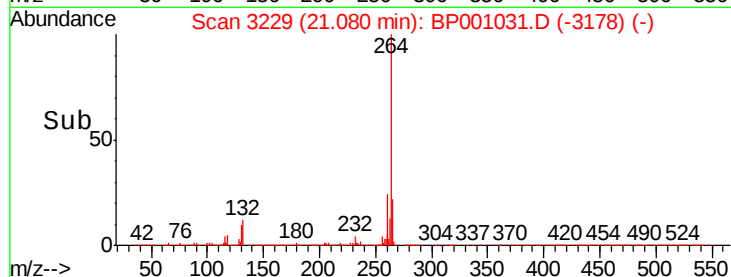
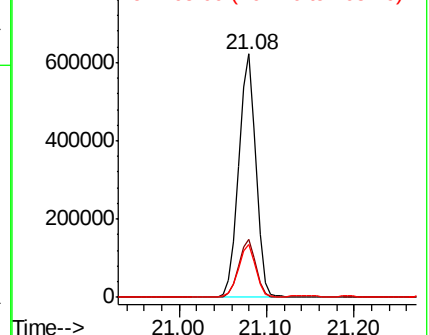


Abundance

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: 2.492 ng

RT: 20.58 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BP001031.D

Acq: 11 Nov 2019 22:39

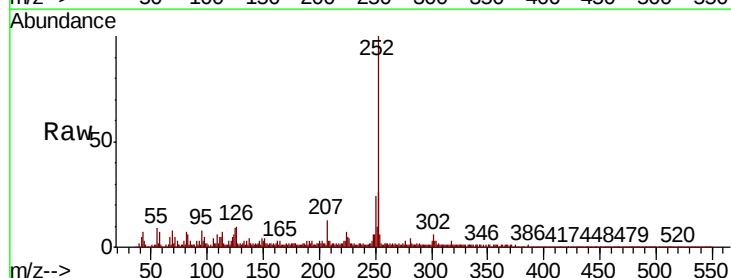
Tgt Ion:252 Resp: 122913

Ion Ratio Lower Upper

252 100

253 25.7 17.9 26.9

125 9.5 7.3 10.9

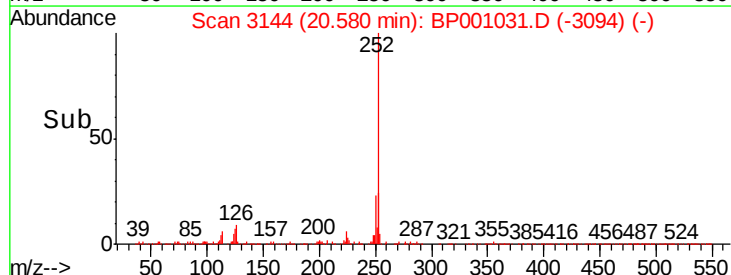
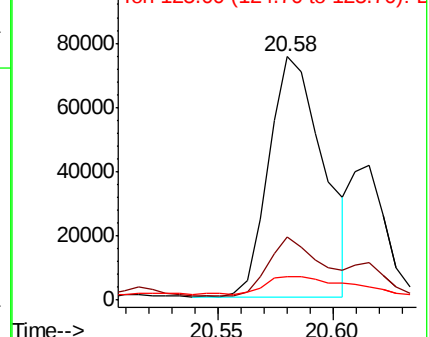


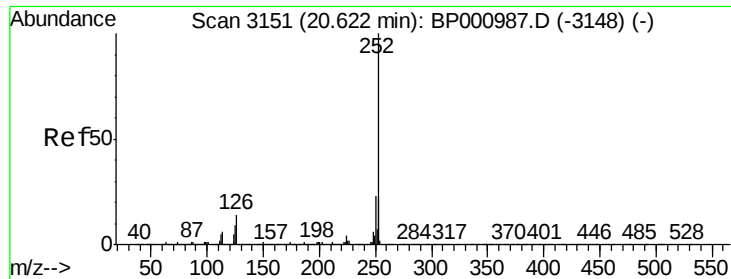
Abundance

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

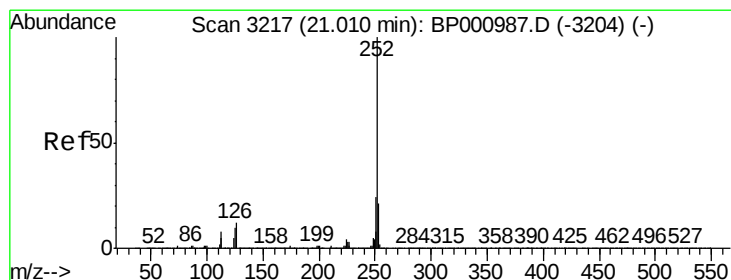
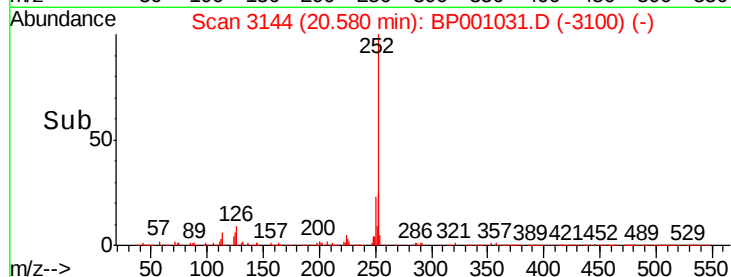
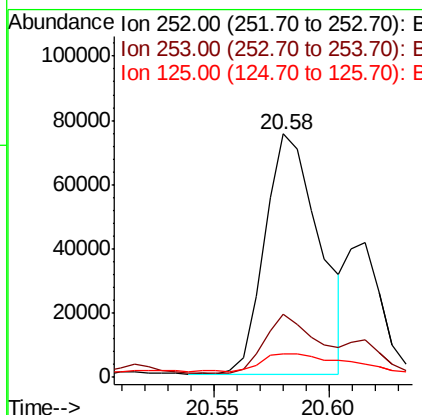
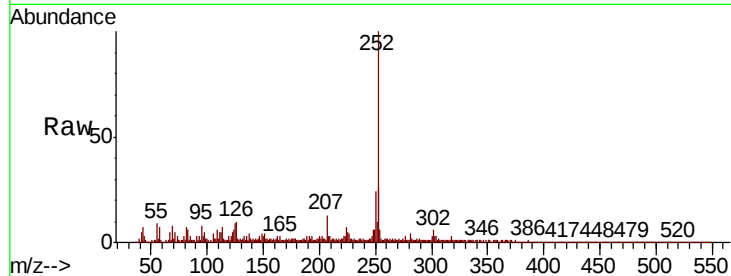




#89
Benzo(k)fluoranthene
Concen: 2.647 ng
RT: 20.58 min Scan# 3144
Delta R.T. -0.04 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.7	26.5
125	9.5	7.3	10.9



#90
Benzo(a)pyrene
Concen: 2.100 ng
RT: 21.00 min Scan# 3215
Delta R.T. -0.01 min
Lab File: BP001031.D
Acq: 11 Nov 2019 22:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	9.4	7.6	11.4

