

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111819\
 Data File : BP001069.D
 Acq On : 19 Nov 2019 00:41
 Operator : JU
 Sample : K5865-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Nov 19 04:33:10 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	8.36	152	174667	20.00	ng	-0.01
21) Naphthalene-d8	10.39	136	657628	20.00	ng	-0.02
39) Acenaphthene-d10	13.25	164	413644	20.00	ng	-0.02
64) Phenanthrene-d10	15.65	188	878273	20.00	ng	0.00
76) Chrysene-d12	19.29	240	763791	20.00	ng	-0.01
87) Perylene-d12	21.07	264	759775	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.30	112	802910	83.67	ng	0.00
7) Phenol-d6	7.81	99	1122359	92.49	ng	0.00
23) Nitrobenzene-d5	9.24	82	707458	59.51	ng	-0.02
42) 2,4,6-Tribromophenol	14.55	330	440048	89.12	ng	-0.01
45) 2-Fluorobiphenyl	12.17	172	1696896	61.78	ng	-0.02
79) Terphenyl-d14	17.93	244	2585079	67.32	ng	0.00

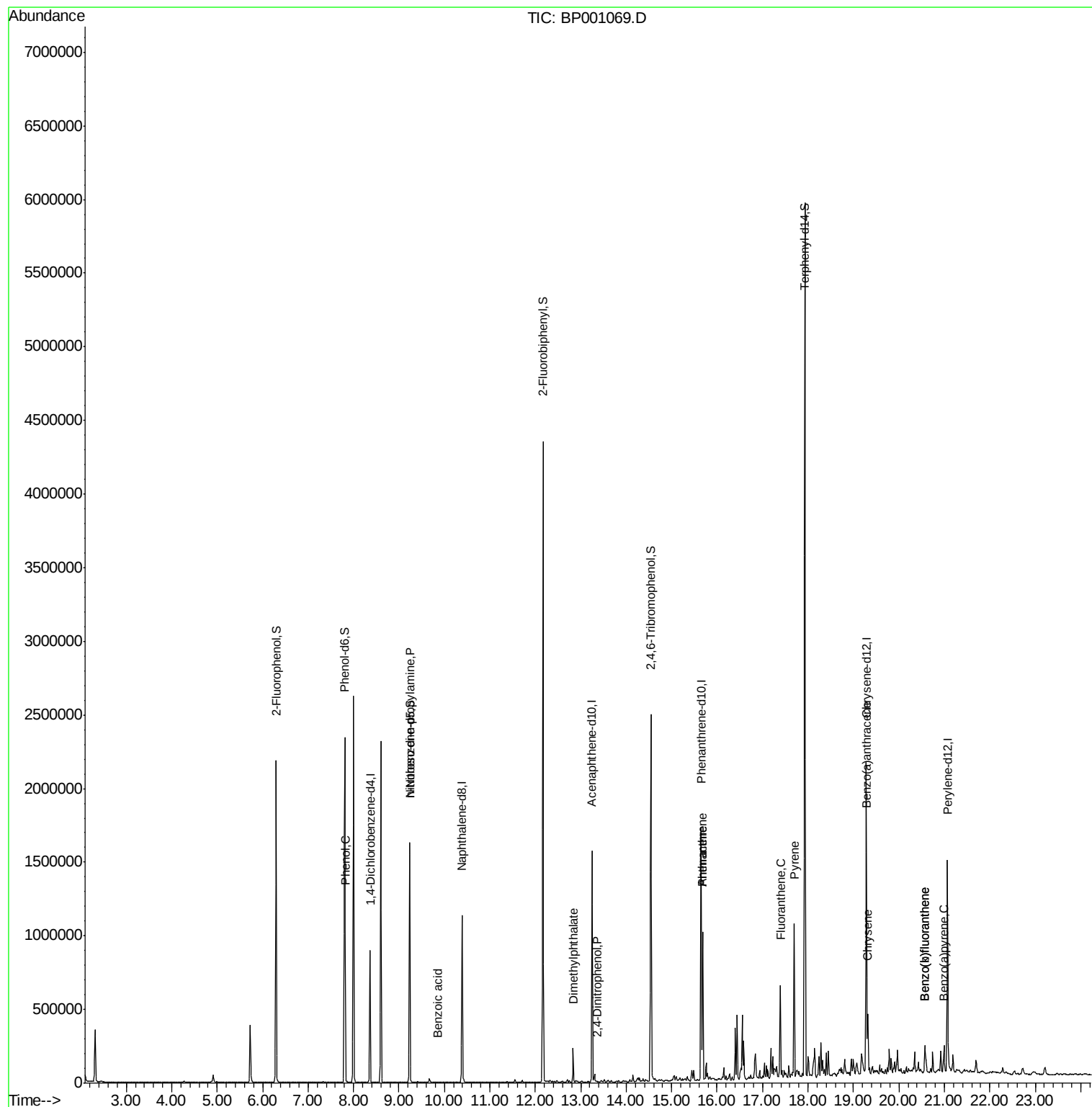
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.82	94	66577	5.016	ng	92
19) n-Nitroso-di-n-propylamine	9.24	70	97392	13.366	ng	# 77
32) Benzoic acid	9.86	122	70	7.679	ng	87
50) Dimethylphthalate	12.83	163	111520	3.646	ng	100
54) 2,4-Dinitrophenol	13.36	184	10	8.313	ng	# 1
71) Phenanthrene	15.68	178	468597	10.425	ng	100
72) Anthracene	15.68	178	468597	10.686	ng	99
75) Fluoranthene	17.39	202	316400	6.227	ng	97
78) Pyrene	17.70	202	531928	9.855	ng	98
81) Benzo(a)anthracene	19.27	228	206748	4.019	ng	98
83) Chrysene	19.32	228	218796	4.845	ng	98
88) Benzo(b)fluoranthene	20.57	252	155588	3.435	ng	97
89) Benzo(k)fluoranthene	20.57	252	155588	3.650	ng	96
90) Benzo(a)pyrene	20.99	252	105045	2.522	ng	97

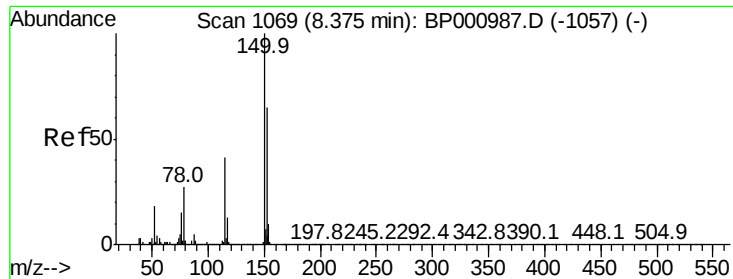
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.36 min Scan# 1067

Delta R.T. -0.01 min

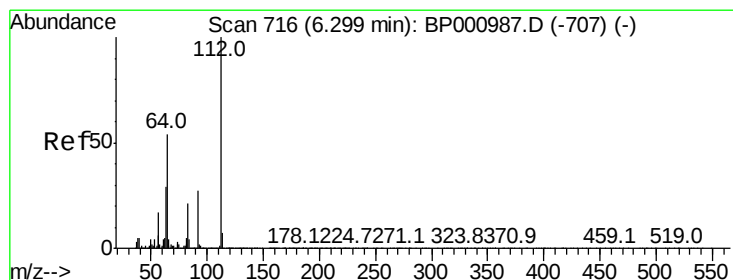
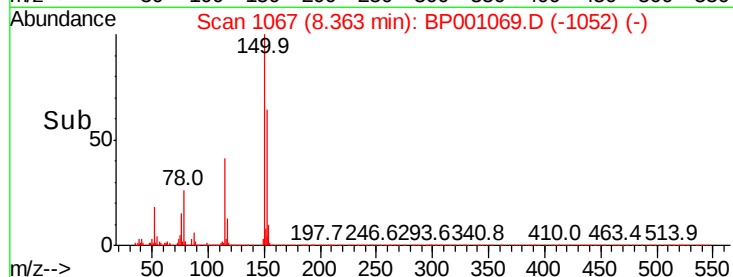
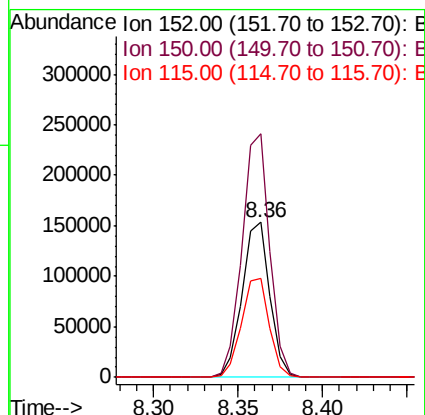
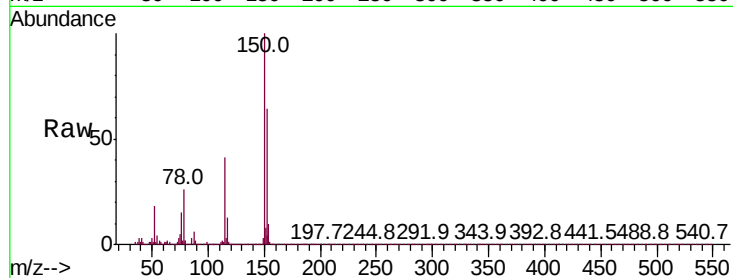
Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 174667

Ion	Ratio	Lower	Upper
152	100		
150	157.0	123.6	185.4
115	64.0	50.1	75.1



#5

2-Fluorophenol

Concen: 83.670 ng

RT: 6.30 min Scan# 716

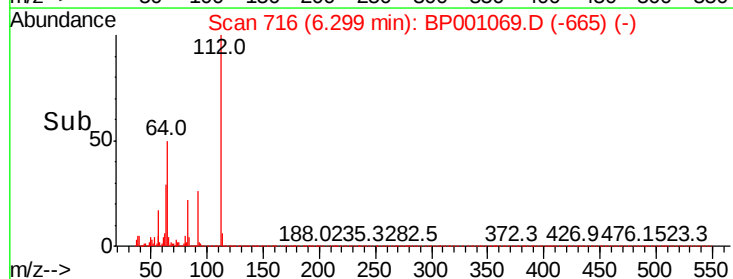
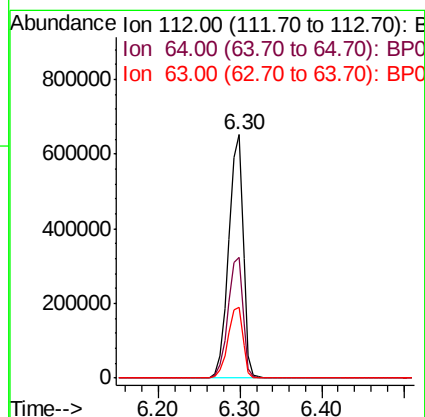
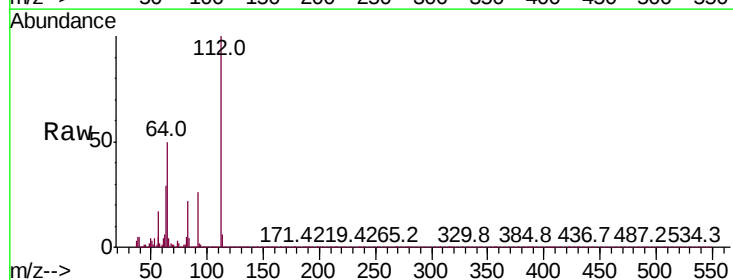
Delta R.T. -0.00 min

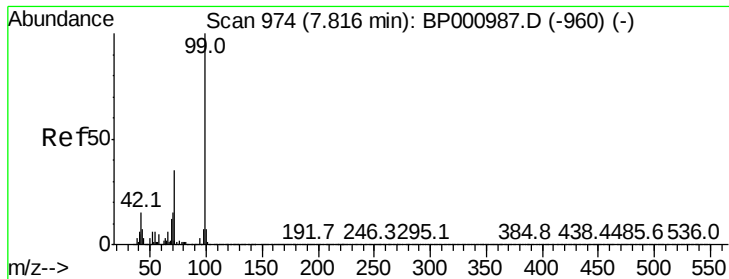
Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Tgt Ion:112 Resp: 802910

Ion	Ratio	Lower	Upper
112	100		
64	49.6	43.4	65.0
63	28.8	23.4	35.0





#7

Phenol-d6

Concen: 92.490 ng

RT: 7.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

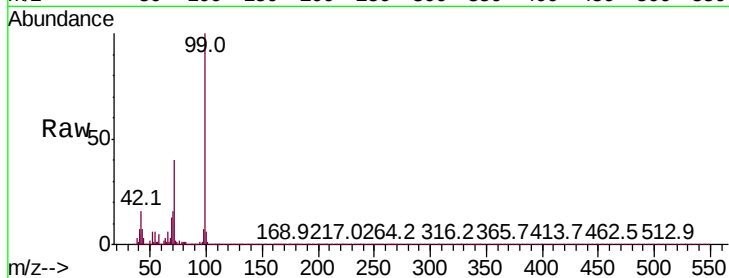
Instrument :

BNA_P

ClientSampleId :

Tot Ion: 99 Resp: 1122359

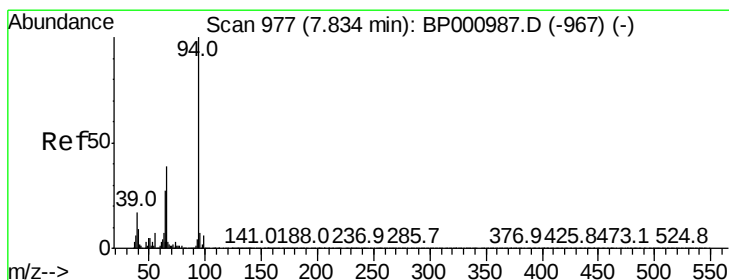
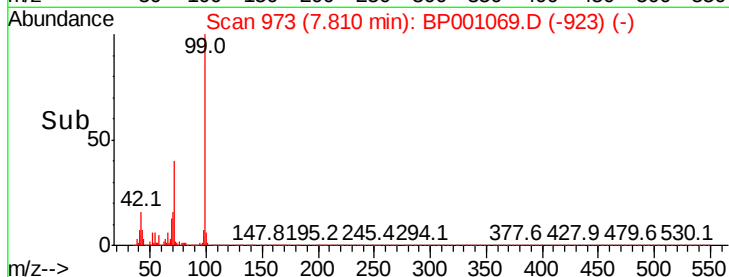
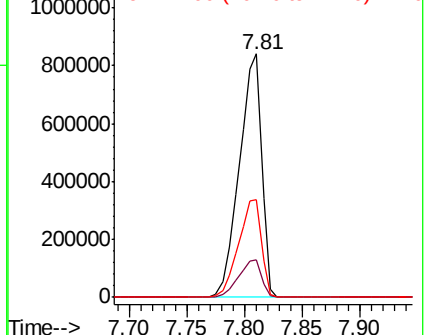
Ion	Ratio	Lower	Upper
99	100		
42	15.5	11.6	17.4
71	40.3	28.0	42.0



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: 5.016 ng

RT: 7.82 min Scan# 975

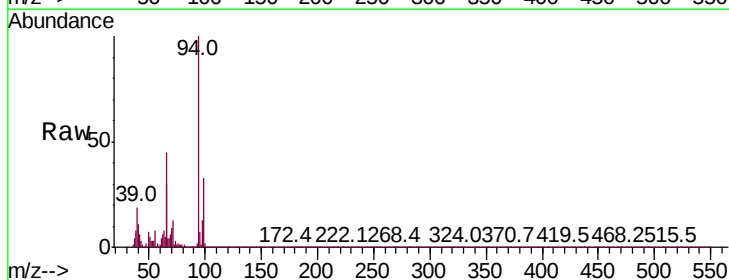
Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Tgt Ion: 94 Resp: 66577

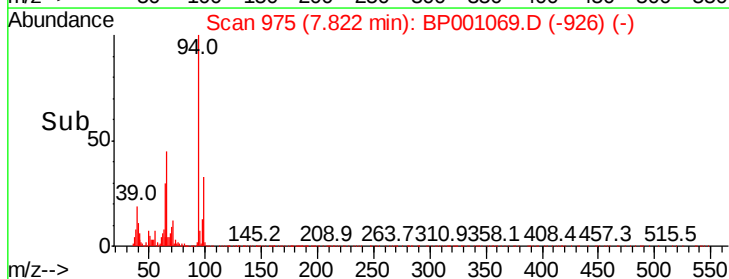
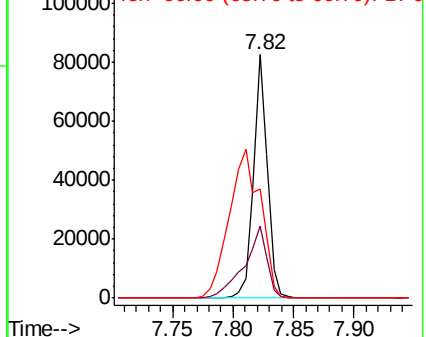
Ion	Ratio	Lower	Upper
94	100		
65	29.7	6.7	46.7
66	44.7	18.6	58.6

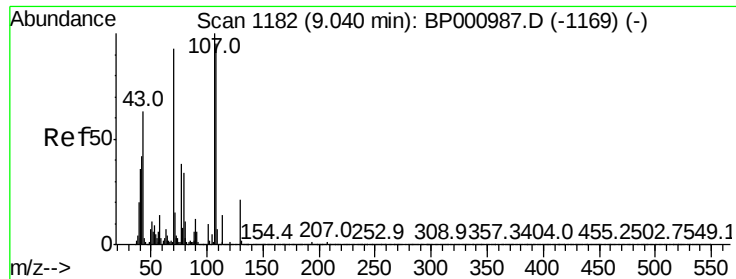


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

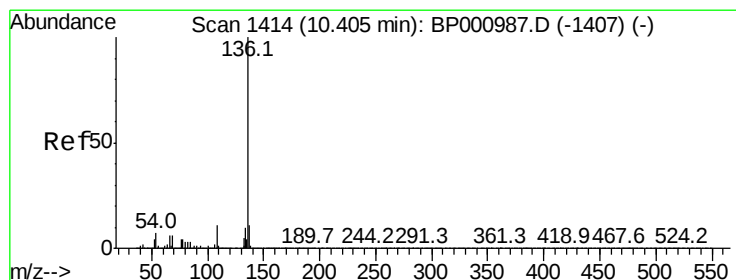
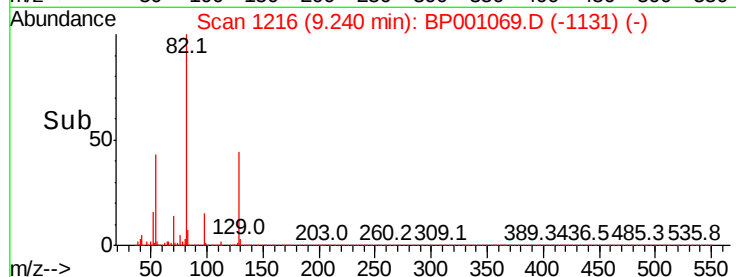
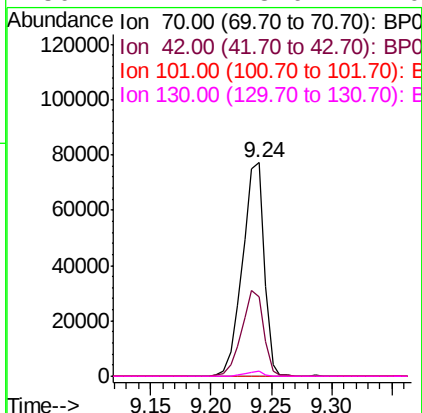
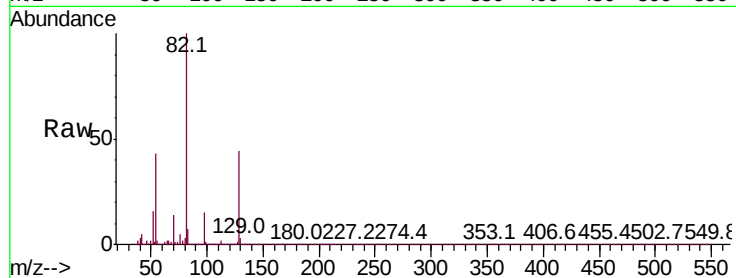




#19
n-Nitroso-di-n-propylamine
Concen: 13.366 ng
RT: 9.24 min Scan# 1216
Delta R.T. 0.20 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

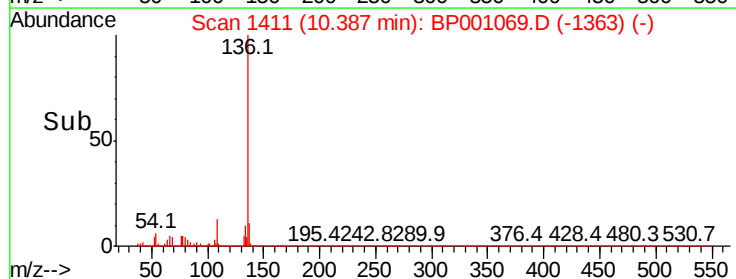
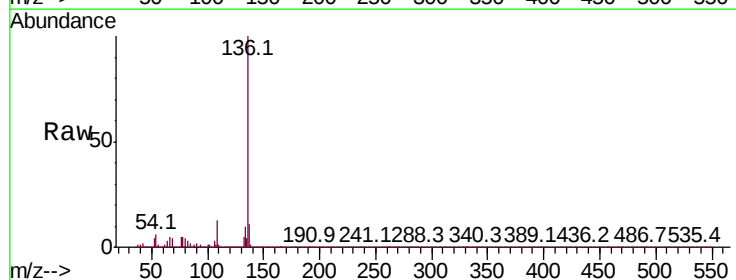
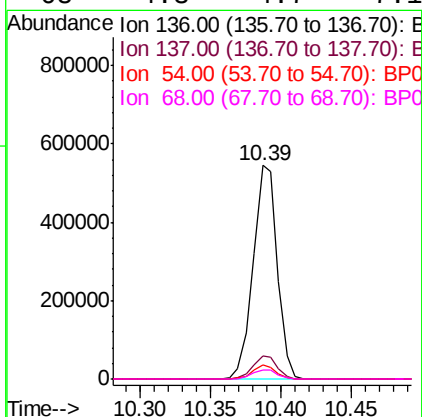
Instrument :
BNA_P
ClientSampled :

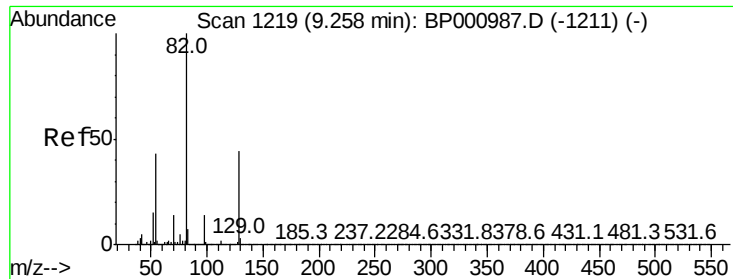
Tot Ion	Ratio	Lower	Upper
70	100		
42	37.4	36.3	54.5
101	0.0	8.7	13.1#
130	2.1	18.0	27.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.02 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.0	13.6
54	6.4	5.4	8.2
68	4.3	4.7	7.1#

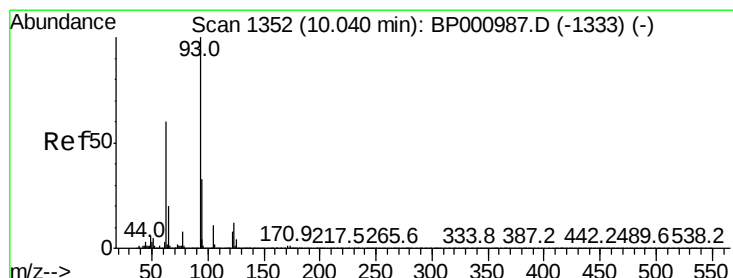
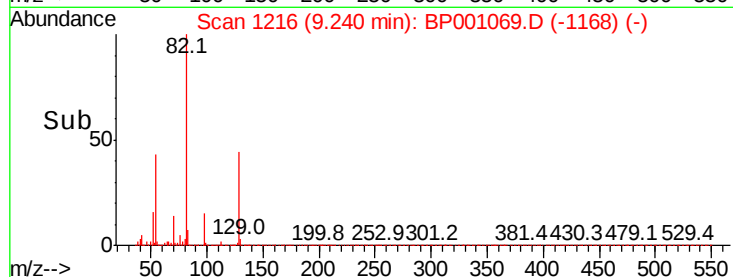
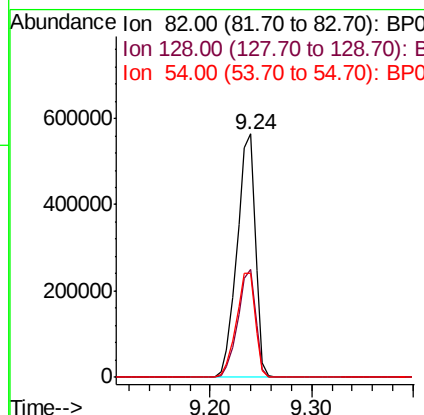
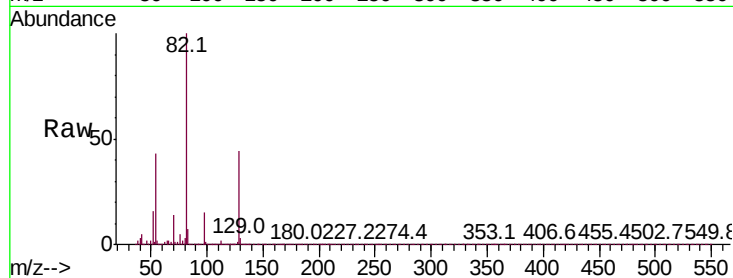




#23
Nitrobenzene-d5
Concen: 59.508 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.02 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

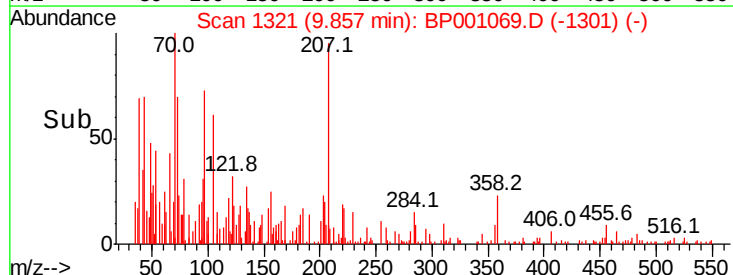
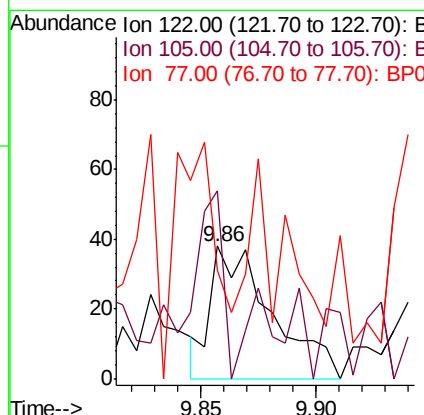
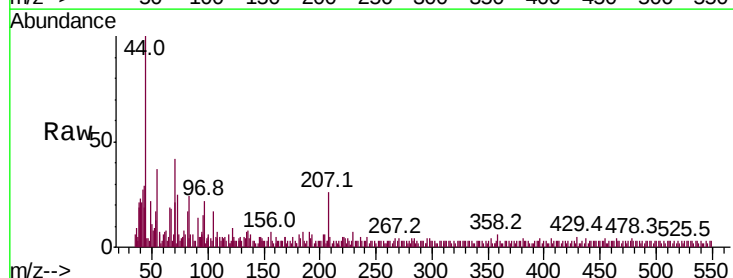
Instrument :
BNA_P
ClientSampleId :

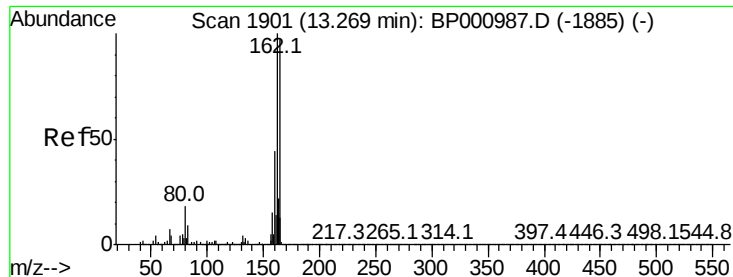
Tot Ion	82	Resp	707458
Ion Ratio	100	Lower	Upper
128	44.3	35.3	52.9
54	43.0	34.3	51.5



#32
Benzoic acid
Concen: 7.679 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.18 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

Tgt Ion	122	Resp	70
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	142.1	110.5	150.5
77	81.6	77.9	117.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Instrument :

BNA_P

ClientSampled :

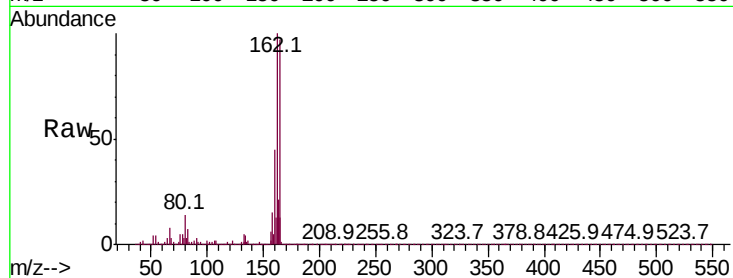
Tot Ion:164 Resp: 413644

Ion Ratio Lower Upper

164 100

162 102.9 82.6 123.8

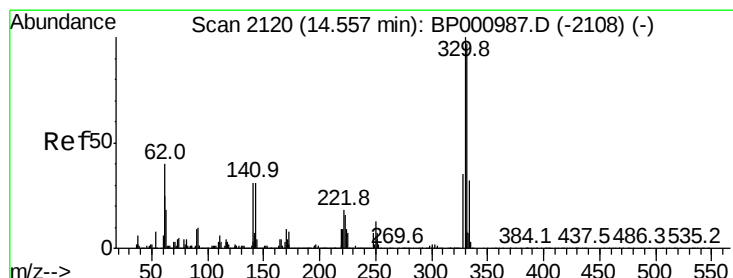
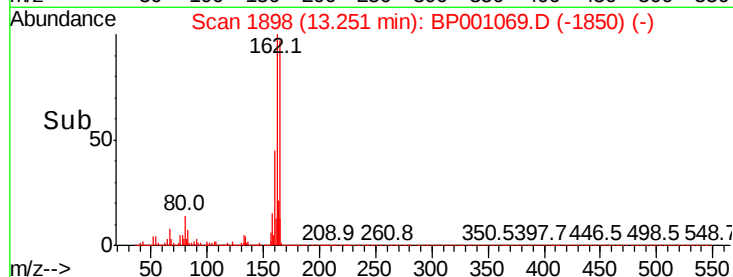
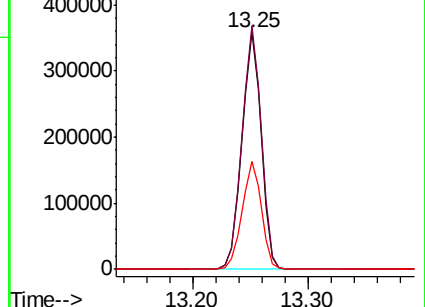
160 45.8 36.5 54.7



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: 89.115 ng

RT: 14.55 min Scan# 2118

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

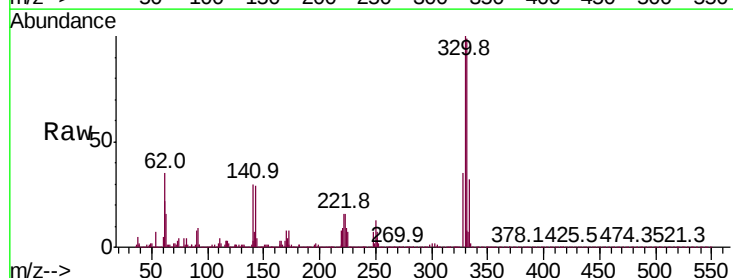
Tgt Ion:330 Resp: 440048

Ion Ratio Lower Upper

330 100

332 99.2 78.3 117.5

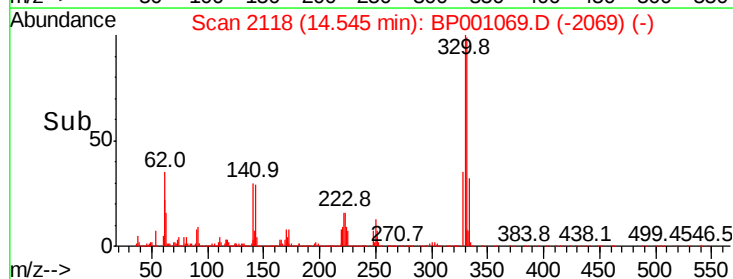
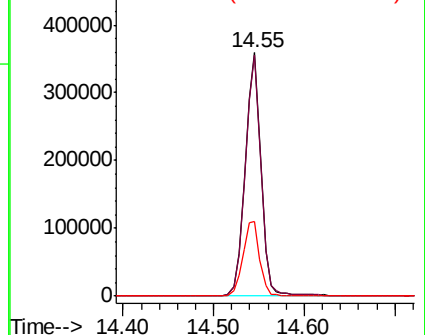
141 32.5 25.0 37.4

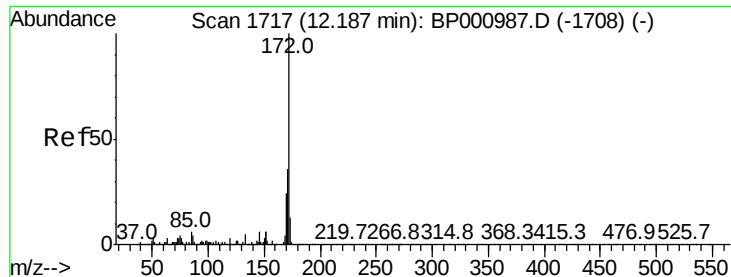


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 61.785 ng

RT: 12.17 min Scan# 1714

Delta R.T. -0.02 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Instrument :

BNA_P

ClientSampleId :

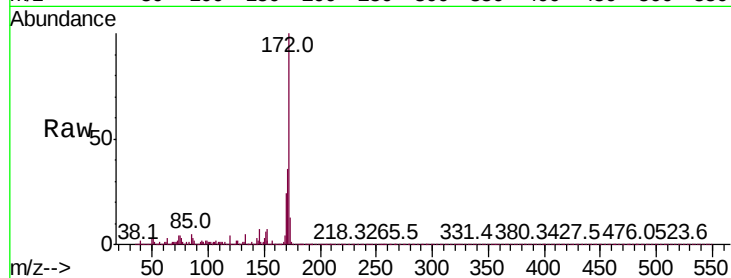
Tot Ion:172 Resp: 1696896

Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

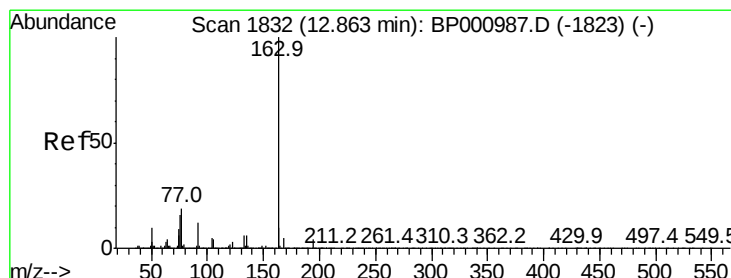
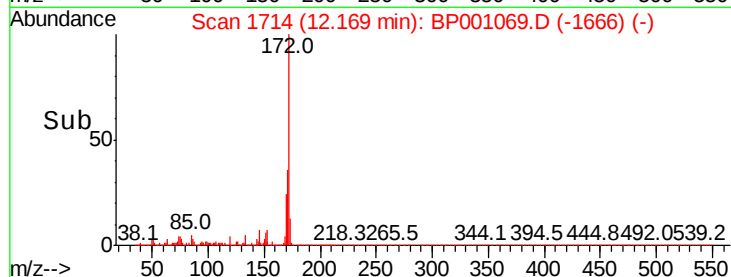
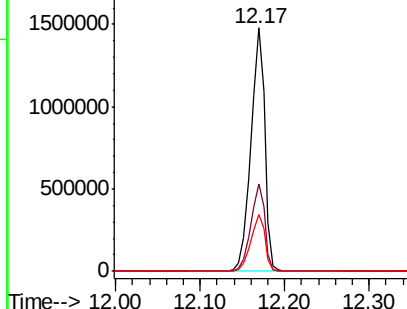
170 23.6 18.9 28.3



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: 3.646 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.03 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

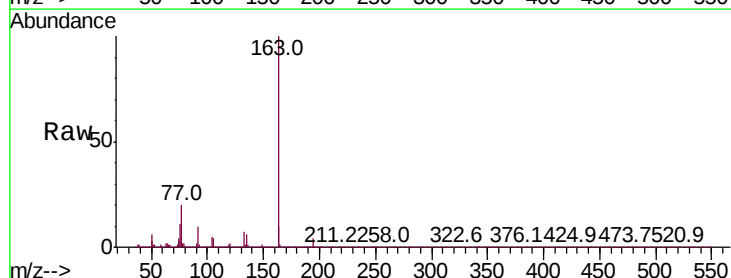
Tgt Ion:163 Resp: 111520

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

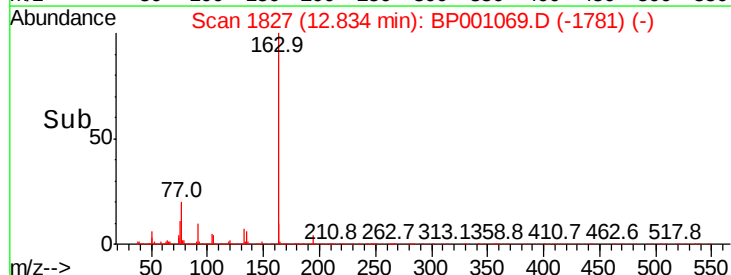
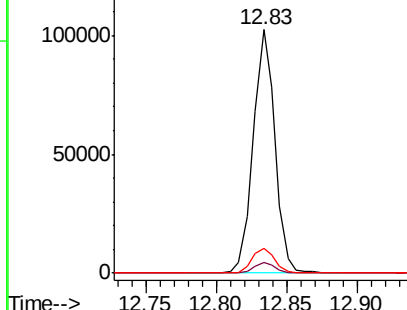
164 10.0 7.9 11.9

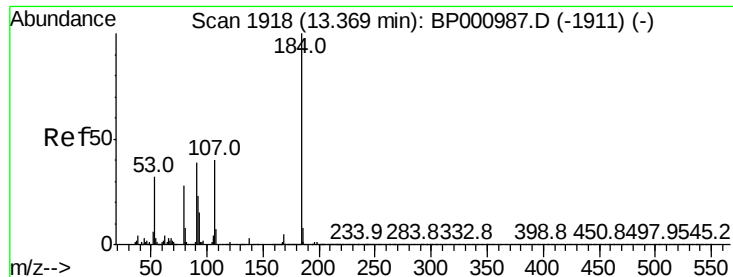


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

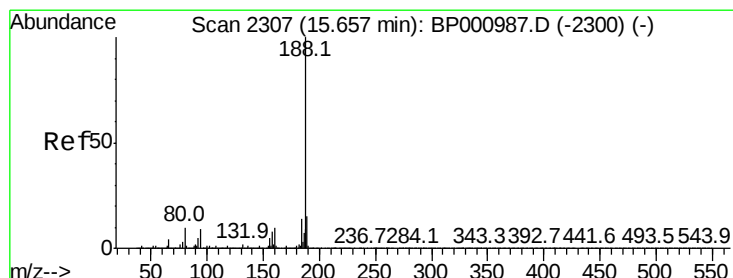
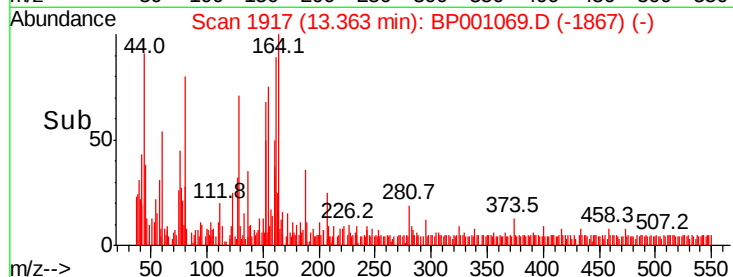
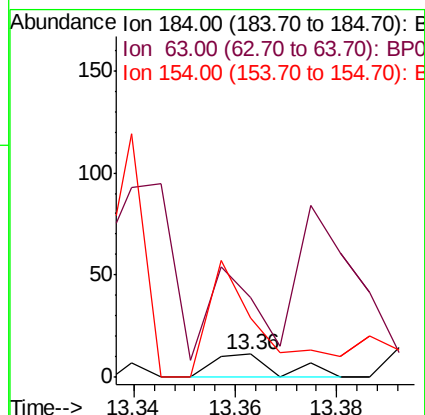
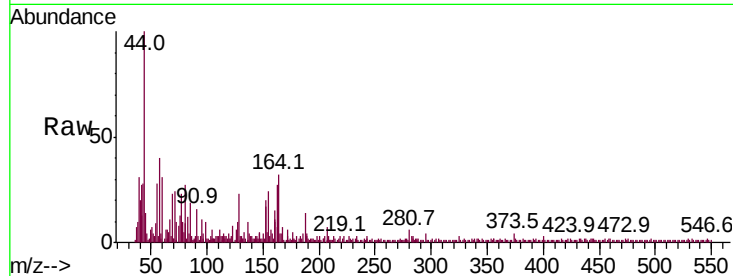




#54
2,4-Dinitrophenol
Concen: 8.313 ng
RT: 13.36 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

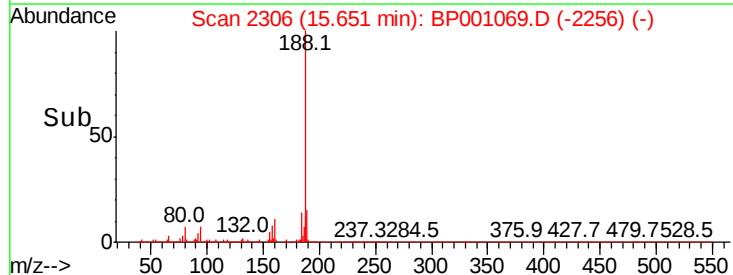
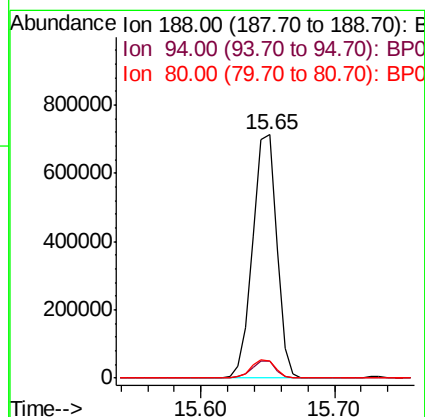
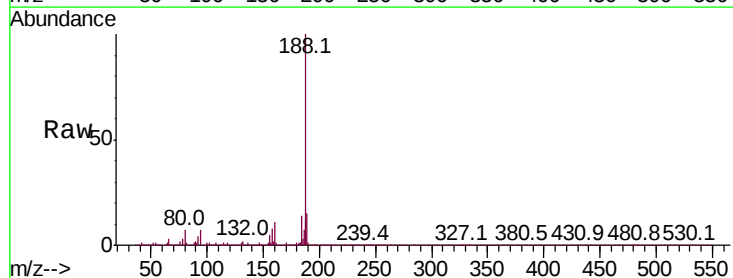
Instrument :
BNA_P
ClientSampleId :

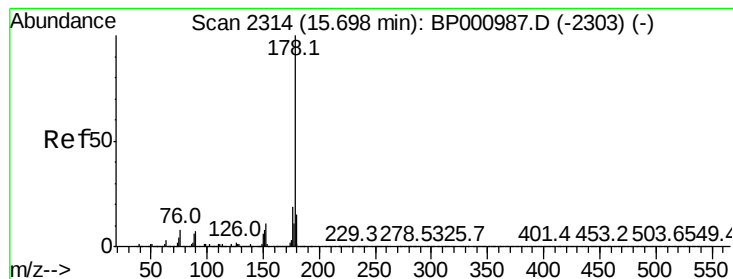
Tot Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 354.5 41.0 61.6#
154 263.6 48.1 72.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.65 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

Tgt Ion:188 Resp: 878273
Ion Ratio Lower Upper
188 100
94 6.8 7.4 11.2#
80 6.9 7.9 11.9#





#71

Phenanthrene

Concen: 10.425 ng

RT: 15.68 min Scan# 2311

Delta R.T. -0.02 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

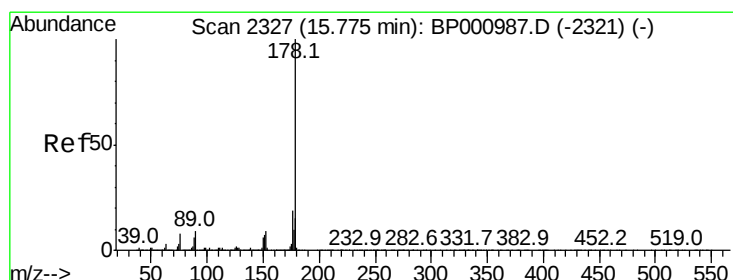
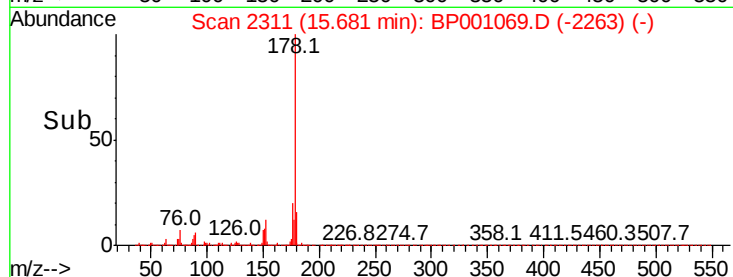
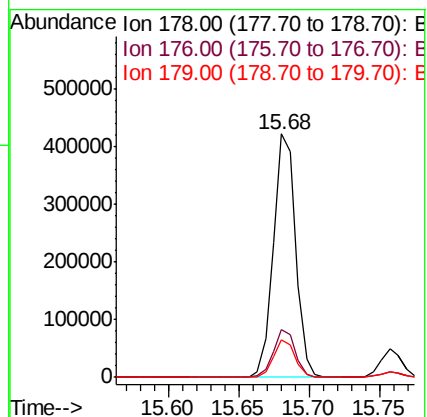
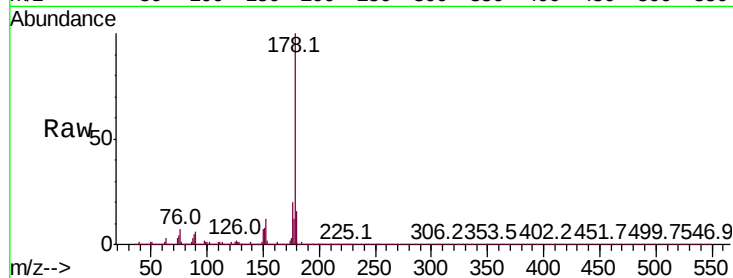
Instrument :

BNA_P

ClientSampleId :

Tot Ion:178 Resp: 468597

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	12.3	18.5



#72

Anthracene

Concen: 10.686 ng

RT: 15.68 min Scan# 2311

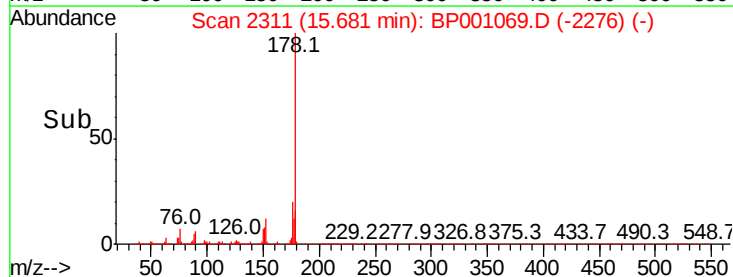
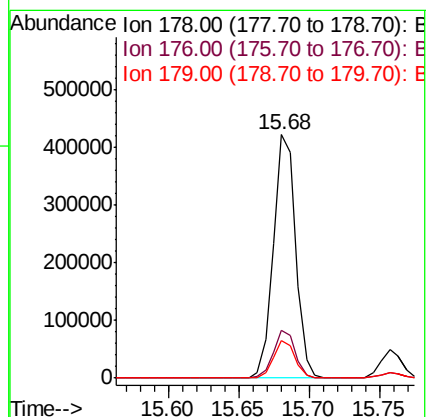
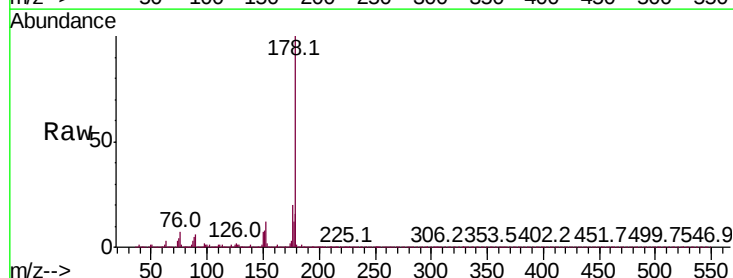
Delta R.T. -0.09 min

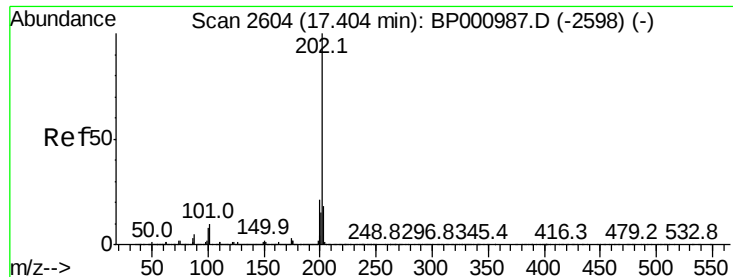
Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Tgt Ion:178 Resp: 468597

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.6	12.3	18.5





#75

Fluoranthene

Concen: 6.227 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

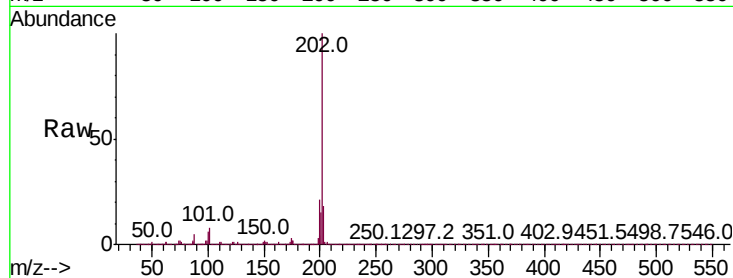
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 316400

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	30.1
203	17.5	0.0	37.7

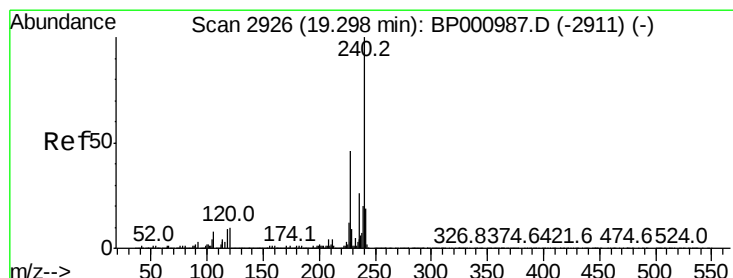
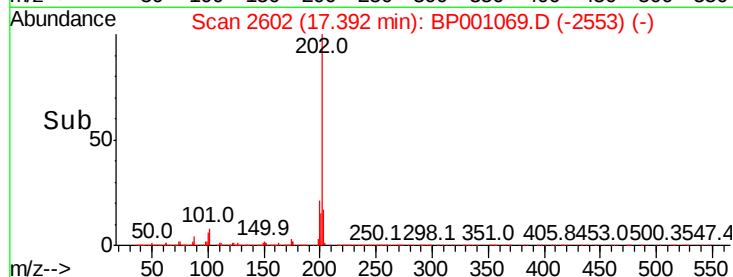
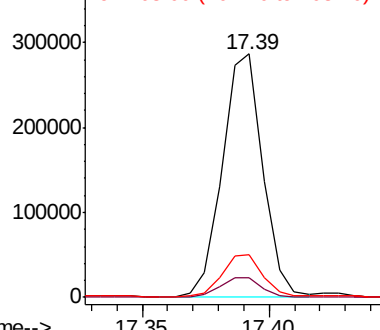


Abundance

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: 19.29 min Scan# 2924

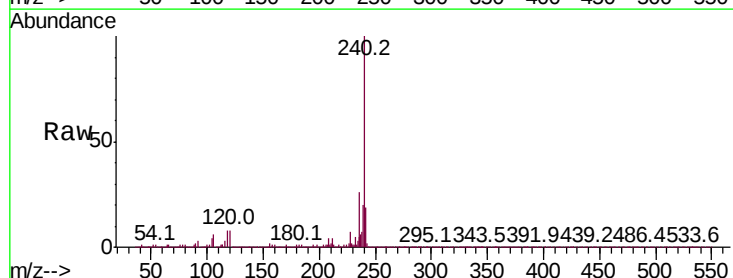
Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Tgt Ion:240 Resp: 763791

Ion	Ratio	Lower	Upper
240	100		
120	8.3	8.2	12.2
236	26.2	20.5	30.7

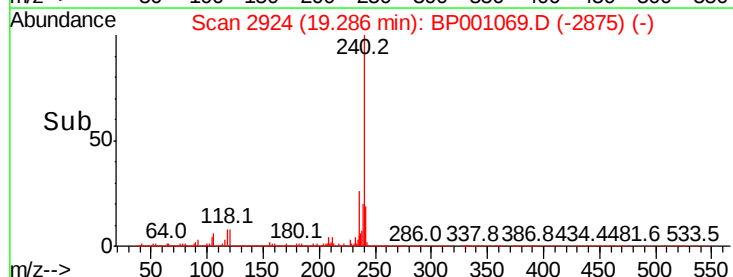
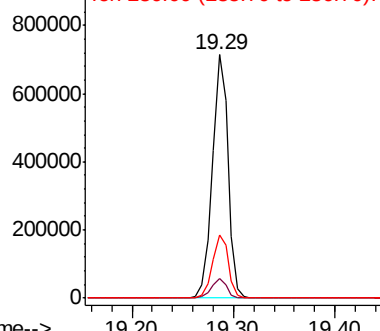


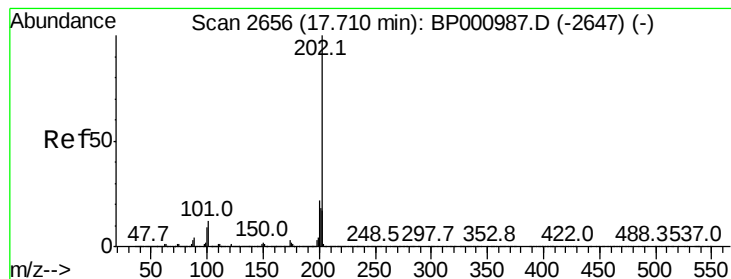
Abundance

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: 9.855 ng

RT: 17.70 min Scan# 2654

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Instrument :

BNA_P

ClientSampleId :

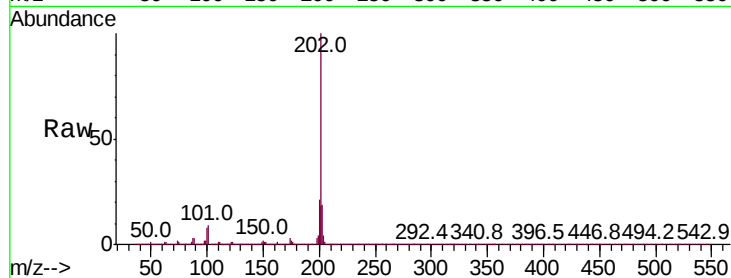
Tot Ion:202 Resp: 531928

Ion Ratio Lower Upper

202 100

200 21.1 17.2 25.8

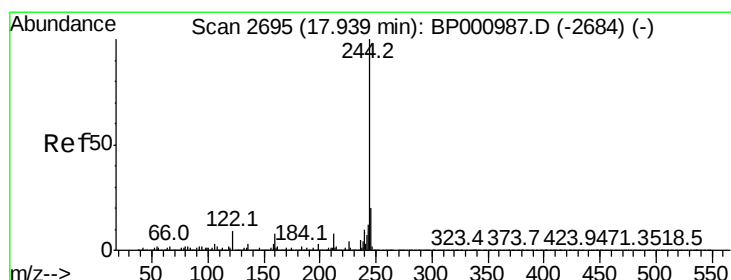
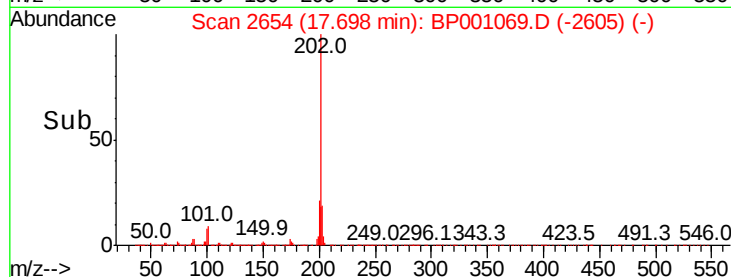
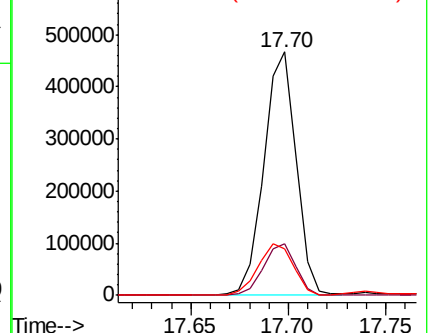
203 19.2 14.0 21.0



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: 67.324 ng

RT: 17.93 min Scan# 2694

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

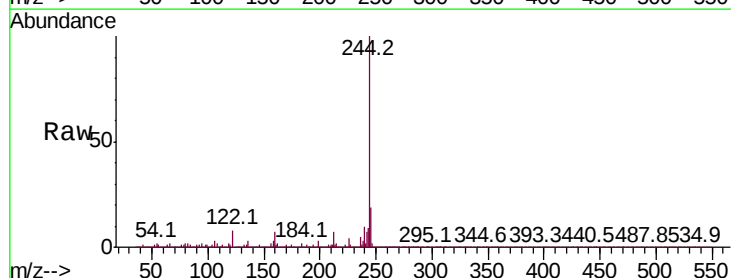
Tgt Ion:244 Resp: 2585079

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

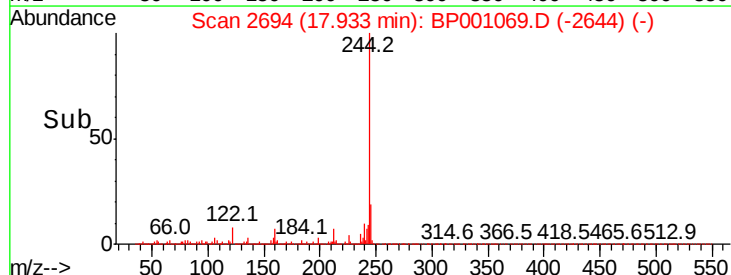
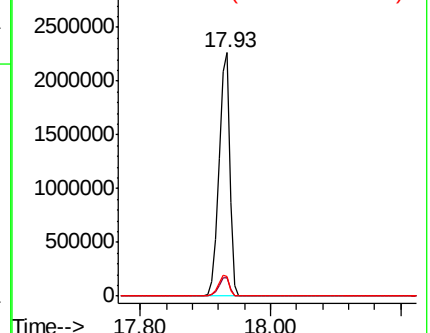
122 8.0 7.4 11.2

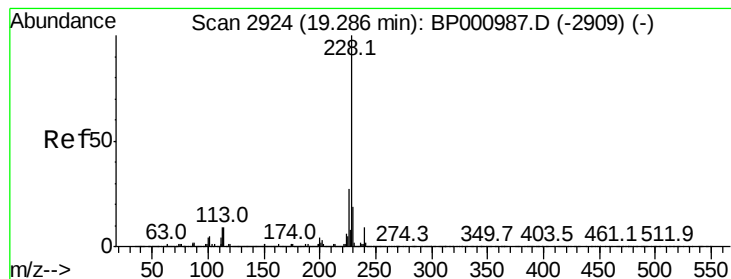


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 4.019 ng

RT: 19.27 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Instrument :

BNA_P

ClientSampled :

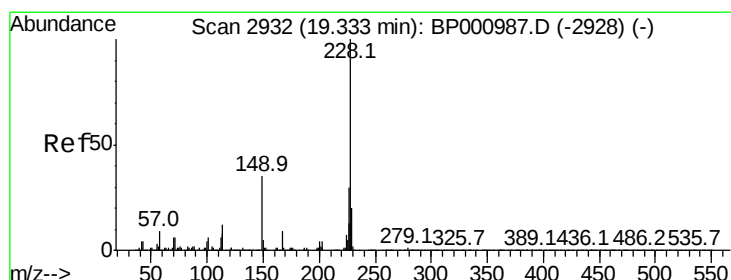
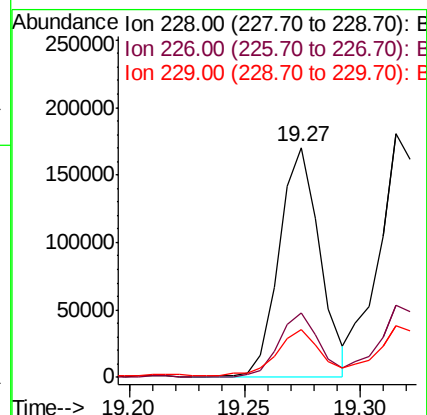
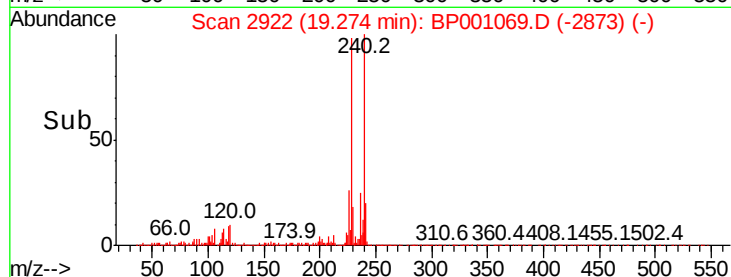
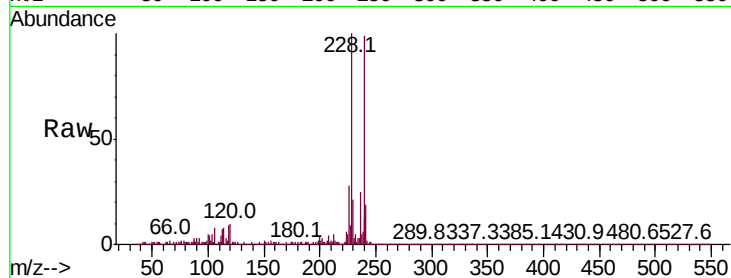
Tot Ion:228 Resp: 206748

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.8

229 20.6 15.6 23.4



#83

Chrysene

Concen: 4.845 ng

RT: 19.32 min Scan# 2929

Delta R.T. -0.02 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

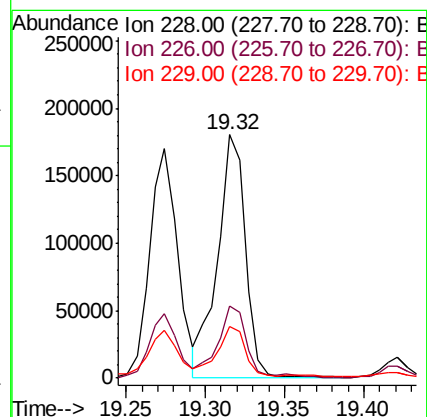
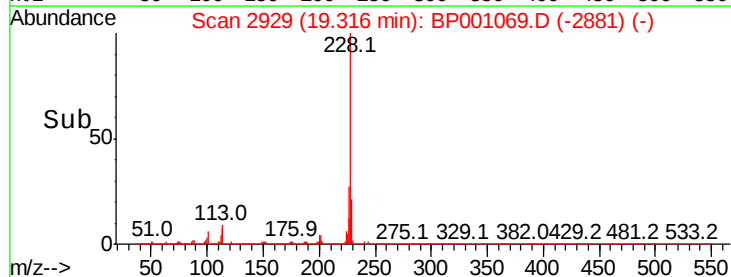
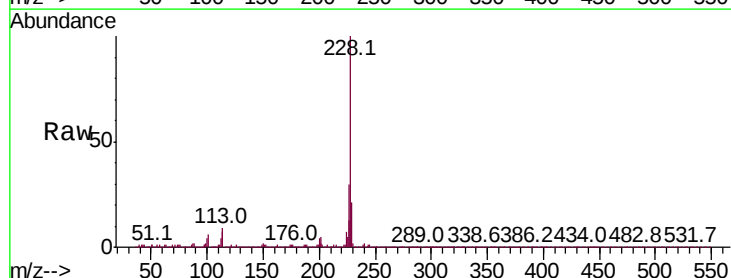
Tgt Ion:228 Resp: 218796

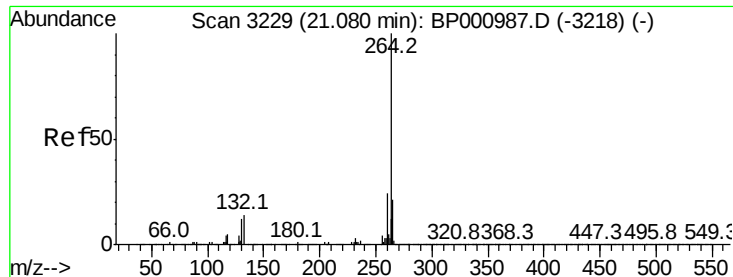
Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.2

229 21.4 15.8 23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.07 min Scan# 3227

Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

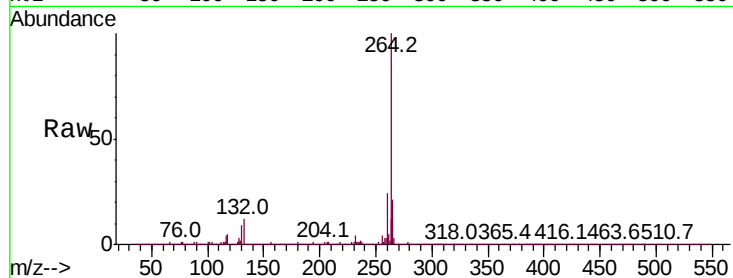
Instrument :

BNA_P

ClientSampleId :

Tot Ion:264 Resp: 759775

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.5	17.1	25.7

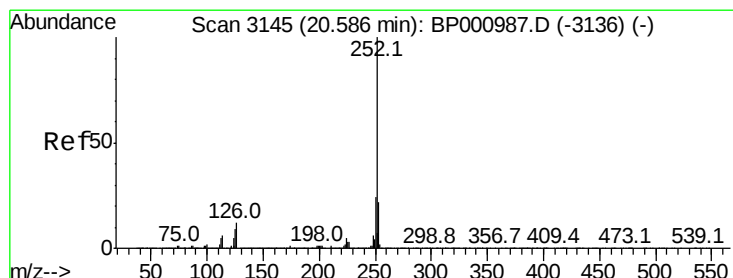
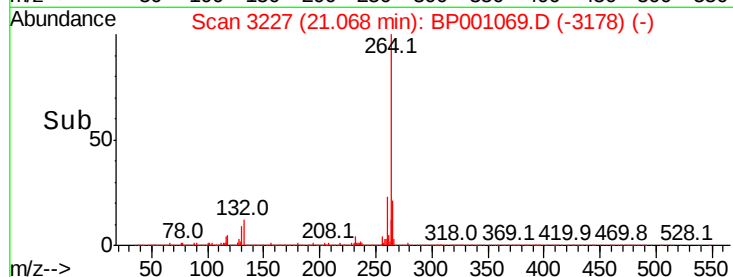
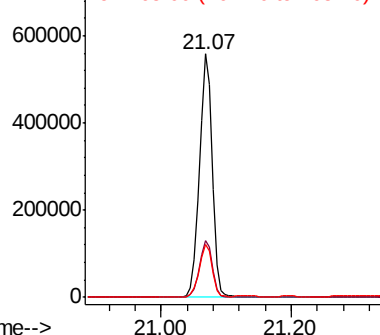


Abundance

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: 3.435 ng

RT: 20.57 min Scan# 3143

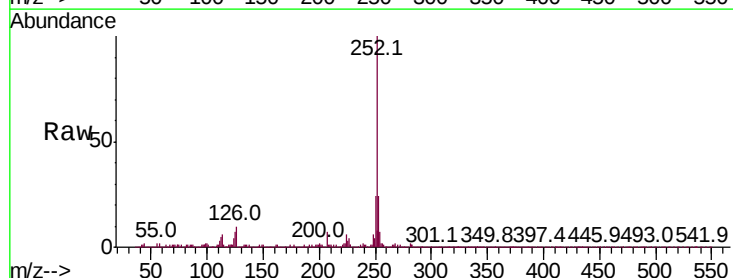
Delta R.T. -0.01 min

Lab File: BP001069.D

Acq: 19 Nov 2019 00:41

Tgt Ion:252 Resp: 155588

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	7.3	7.3	10.9

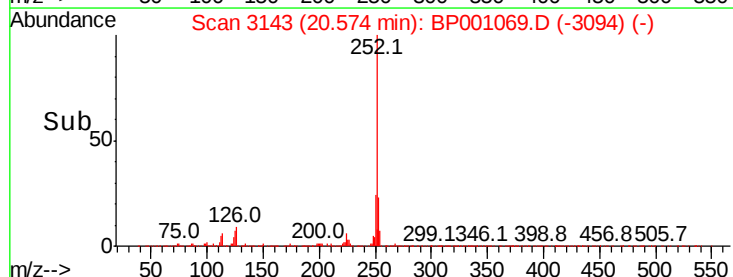
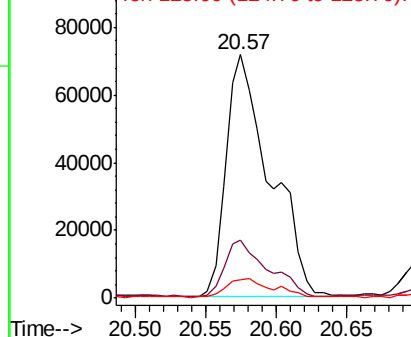


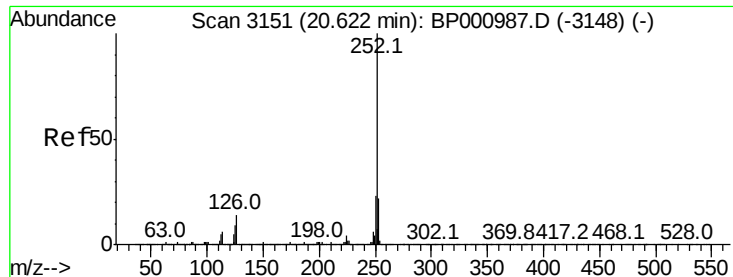
Abundance

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

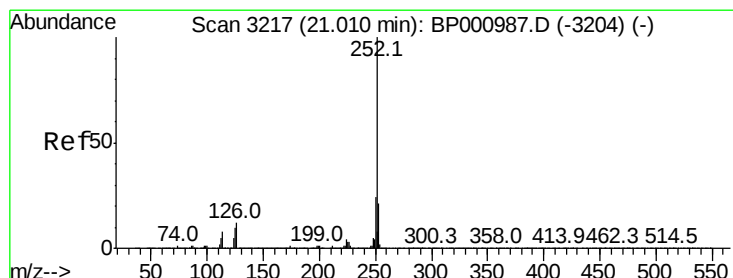
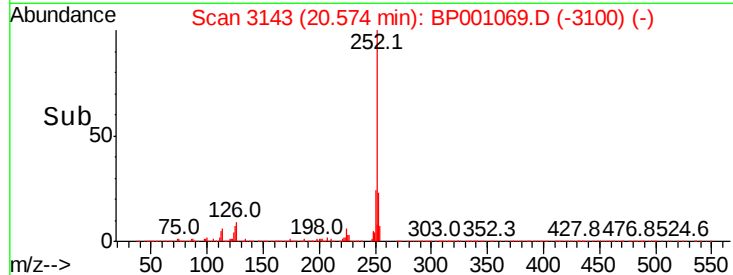
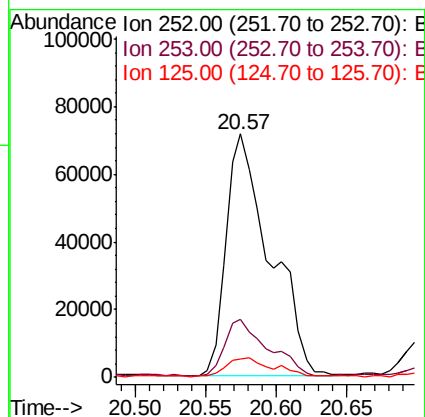
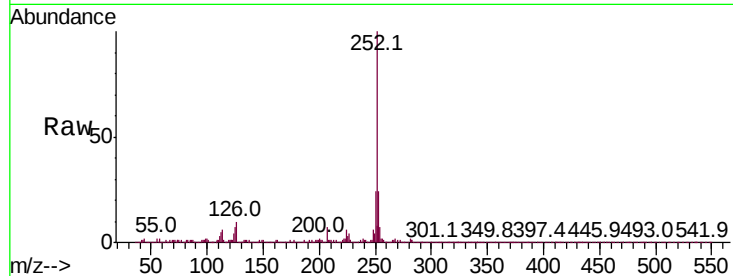




#89
Benzo(k)fluoranthene
Concen: 3.650 ng
RT: 20.57 min Scan# 3143
Delta R.T. -0.05 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

Instrument :
BNA_P
ClientSampleId :

Tot Ion:252 Resp: 155588
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 7.3 7.3 10.9



#90
Benzo(a)pyrene
Concen: 2.522 ng
RT: 20.99 min Scan# 3214
Delta R.T. -0.02 min
Lab File: BP001069.D
Acq: 19 Nov 2019 00:41

Tgt Ion:252 Resp: 105045
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 7.7 7.6 11.4

