

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001663.D
 Acq On : 17 Jan 2020 18:27
 Operator : JU
 Sample : L1010-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 18 02:33:51 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	58966	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	204964	20.00	ng	-0.01
39) Acenaphthene-d10	14.28	164	110977	20.00	ng	0.00
64) Phenanthrene-d10	17.04	188	210647	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	212287	20.00	ng	-0.01
87) Perylene-d12	23.38	264	226244	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	156086	51.85	ng	0.00
7) Phenol-d6	6.83	99	226625	47.11	ng	0.00
23) Nitrobenzene-d5	8.78	82	153980	32.83	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	51983	30.77	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	260887	34.56	ng	-0.01
79) Terphenyl-d14	19.63	244	309047	26.63	ng	-0.01

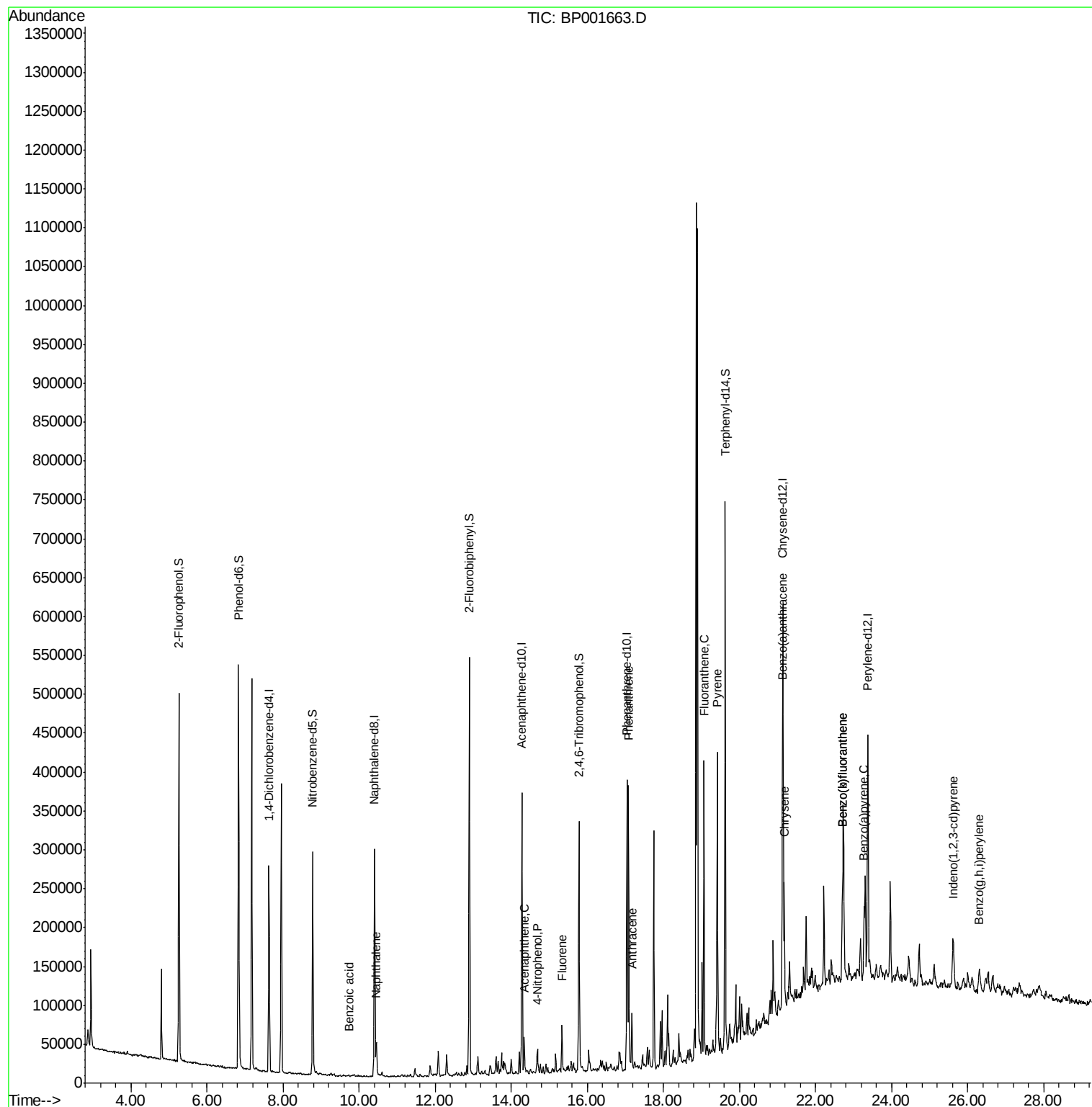
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.46	128	28591	2.643	ng	95
32) Benzoic acid	9.74	122	19	4.710	ng	# 15
52) Acenaphthene	14.35	154	15098	2.392	ng	97
56) 4-Nitrophenol	14.69	139	5562	3.403	ng	# 1
58) Fluorene	15.34	166	25452	2.946	ng	95
71) Phenanthrene	17.08	178	199565	17.421	ng	99
72) Anthracene	17.17	178	39529	3.545	ng	97
75) Fluoranthene	19.06	202	212034	14.067	ng	99
78) Pyrene	19.42	202	214588	13.761	ng	97
81) Benzo(a)anthracene	21.13	228	94201	6.372	ng	96
83) Chrysene	21.18	228	85382	5.926	ng	97
86) Indeno(1,2,3-cd)pyrene	25.63	276	35140	2.084	ng	99
88) Benzo(b)fluoranthene	22.72	252	115250	8.084	ng	# 97
89) Benzo(k)fluoranthene	22.72	252	115250	8.291	ng	# 96
90) Benzo(a)pyrene	23.27	252	65372	4.829	ng	# 97
92) Benzo(g,h,i)perylene	26.31	276	33295	2.398	ng	# 93

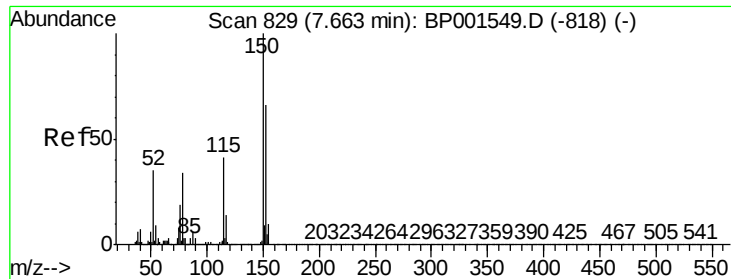
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
Data File : BP001663.D
Acq On : 17 Jan 2020 18:27
Operator : JU
Sample : L1010-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :

Quant Time: Jan 18 02:33:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 21:52:04 2020
Response via : Initial Calibration



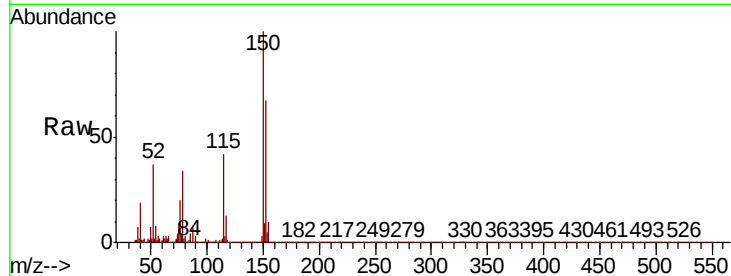


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	122.0	183.0
115	62.5	50.7	76.1

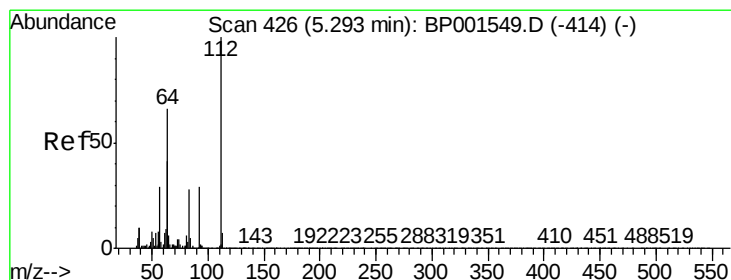
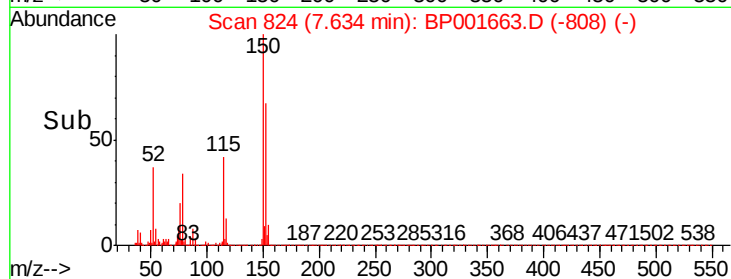
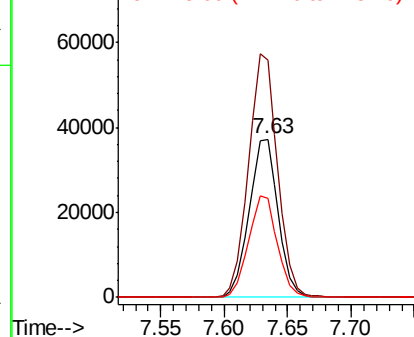


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

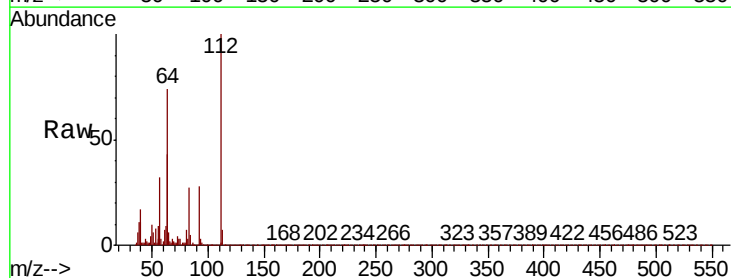
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 51.853 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.9	52.8	79.2
63	43.0	33.1	49.7

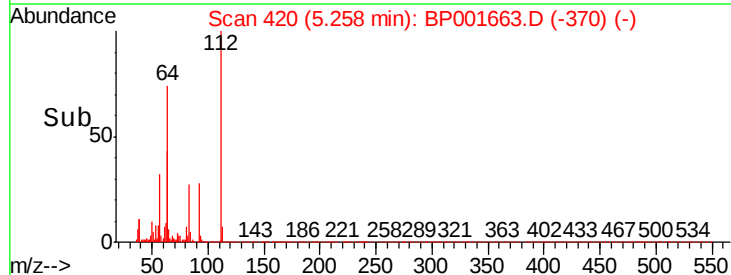
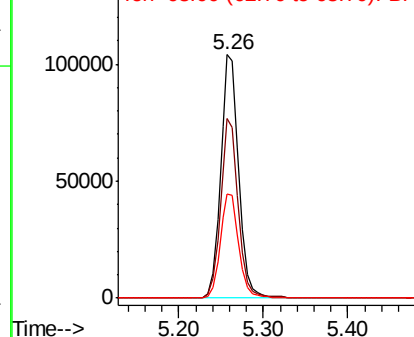


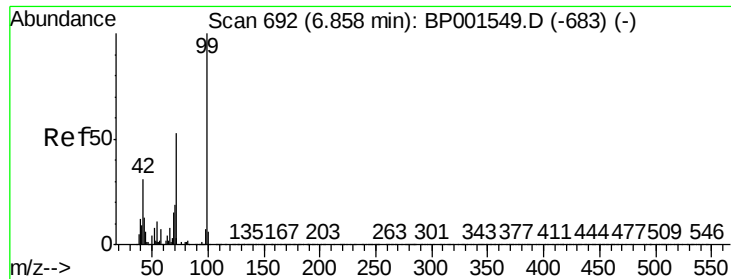
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 47.107 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

ClientSampleId :

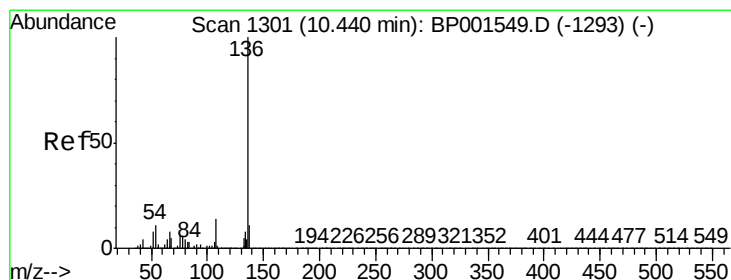
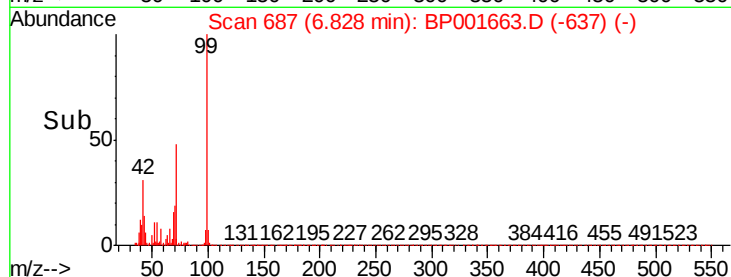
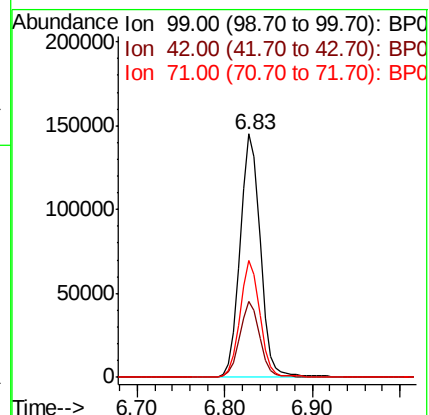
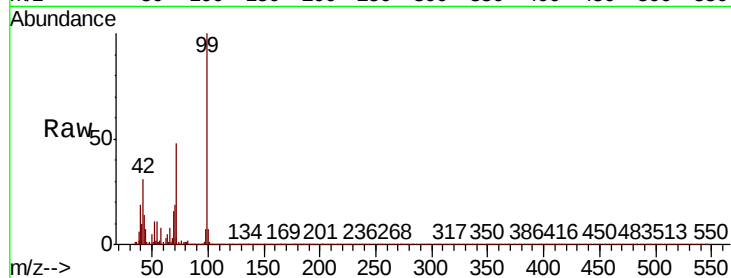
Tot Ion: 99 Resp: 226625

Ion Ratio Lower Upper

99 100

42 31.1 24.5 36.7

71 47.8 42.4 63.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.40 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Tgt Ion: 136 Resp: 204964

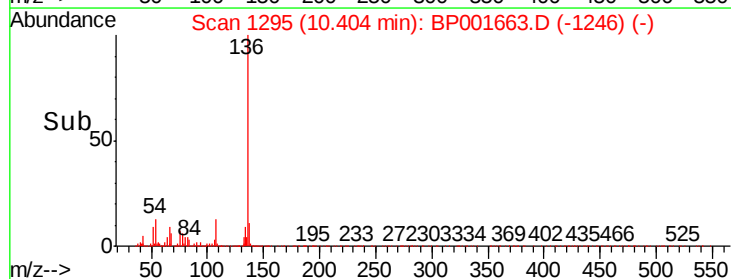
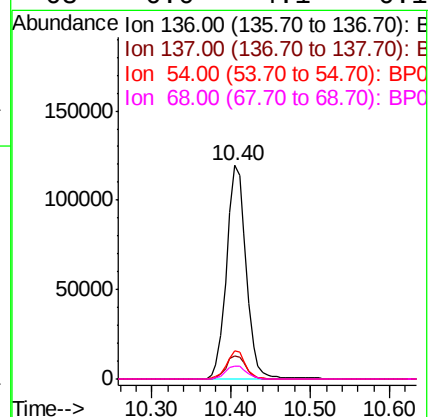
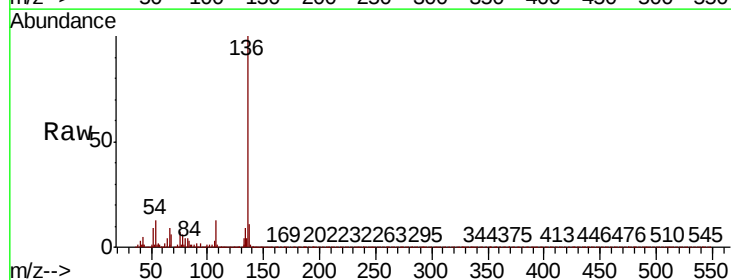
Ion Ratio Lower Upper

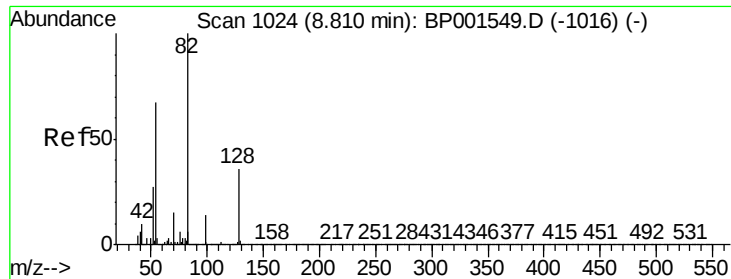
136 100

137 10.6 8.6 12.8

54 12.9 9.2 13.8

68 6.0 4.1 6.1

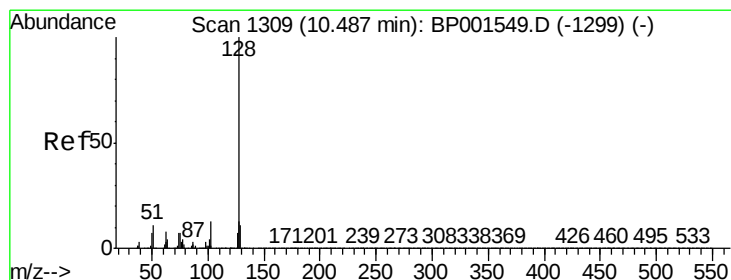
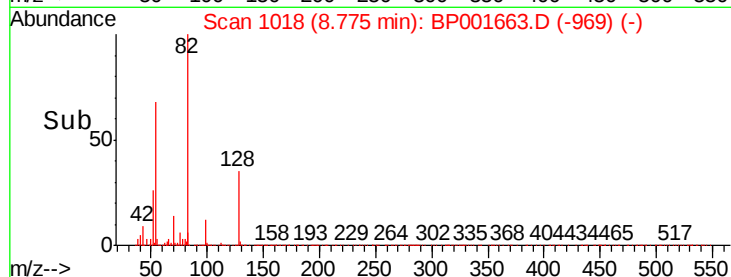
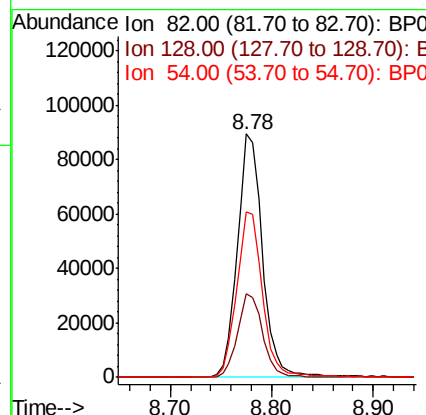
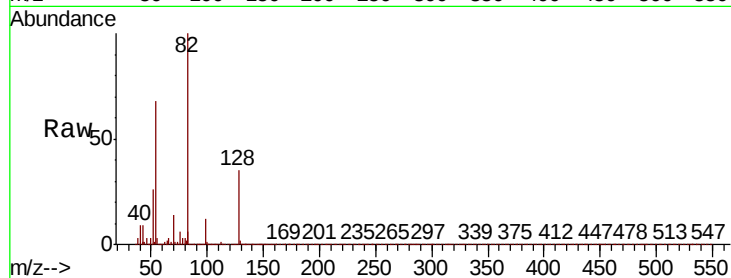




#23
Nitrobenzene-d5
Concen: 32.828 ng
RT: 8.78 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

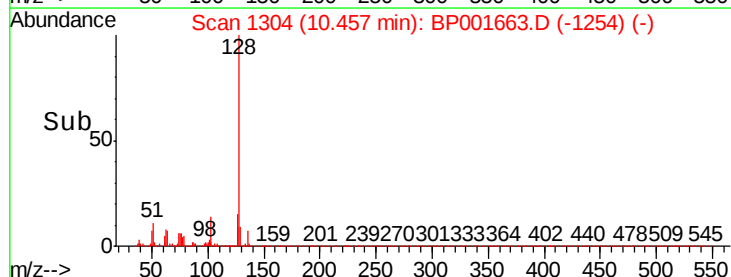
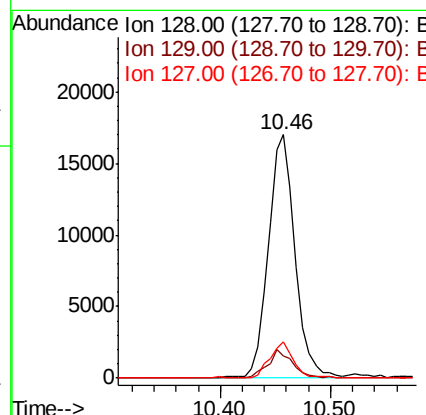
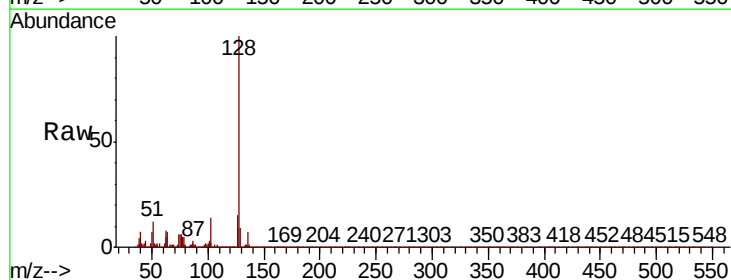
Instrument :
BNA_P
ClientSampled :

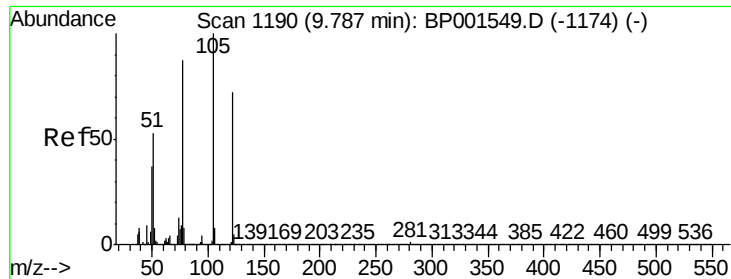
Tot Ion	82	Resp	153980
Ion Ratio	Lower	Upper	
82	100		
128	34.5	28.4	42.6
54	67.8	53.4	80.2



#31
Naphthalene
Concen: 2.643 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	128	Resp	28591
Ion Ratio	Lower	Upper	
128	100		
129	9.1	8.9	13.3
127	14.9	10.6	16.0

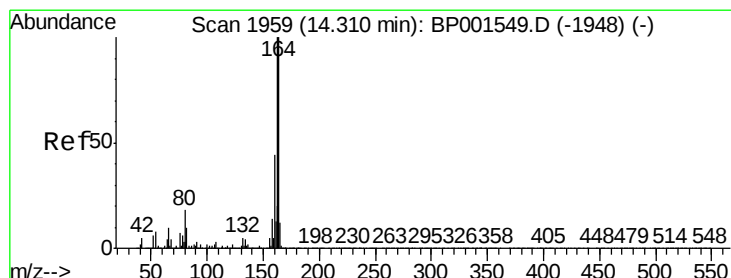
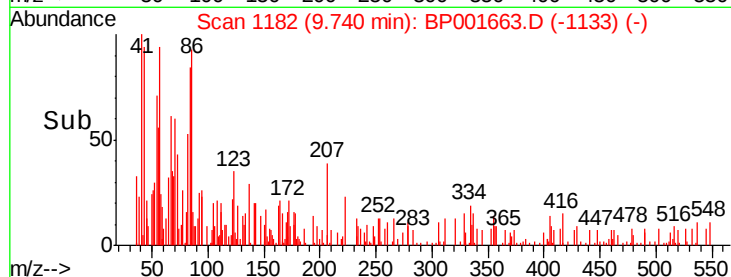
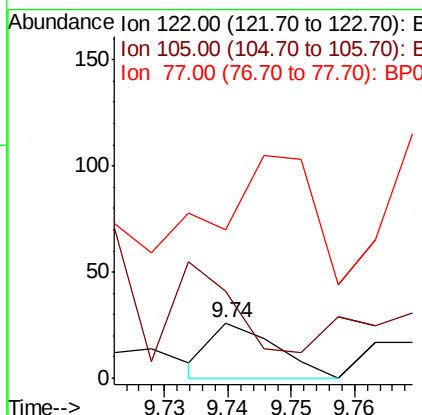
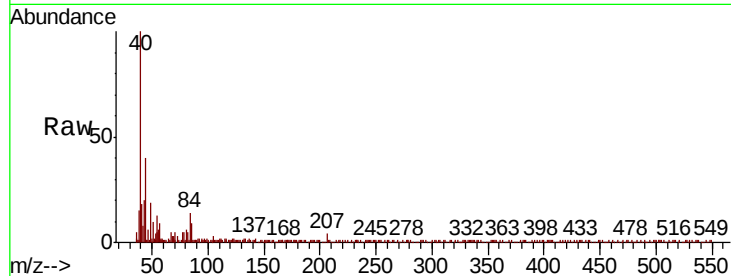




#32
Benzoic acid
Concen: 4.710 ng
RT: 9.74 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

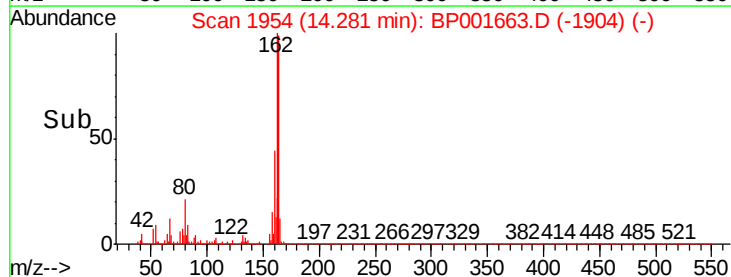
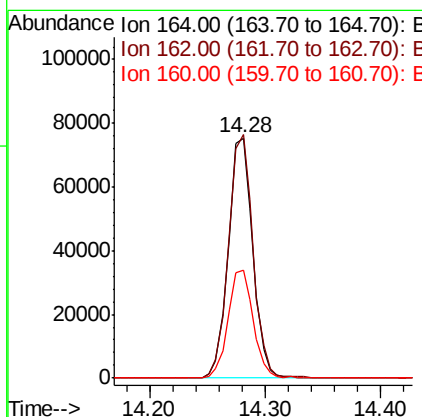
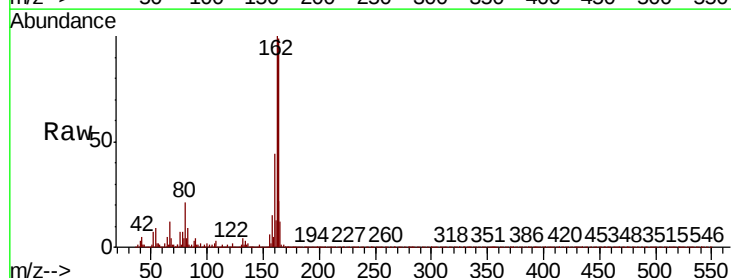
Instrument :
BNA_P
ClientSampleId :

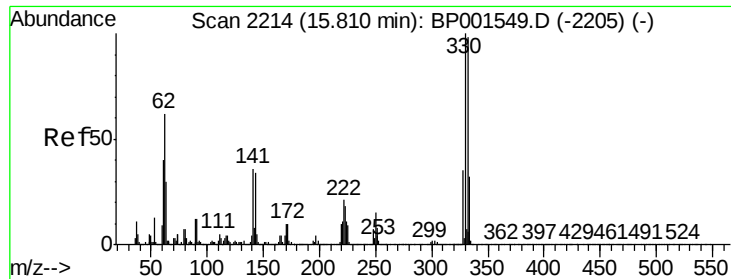
Tot Ion	Ratio	Lower	Upper
122	100		
105	157.7	119.5	159.5
77	307.7	102.8	142.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	79.8	119.6
160	44.8	35.0	52.6

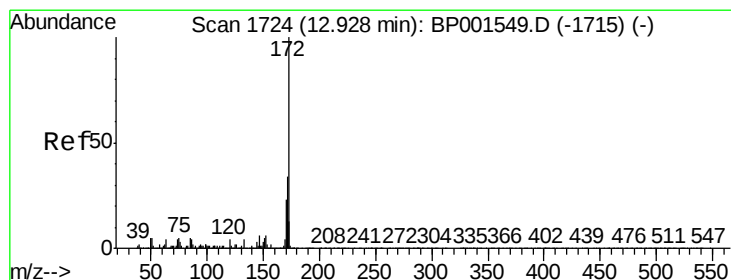
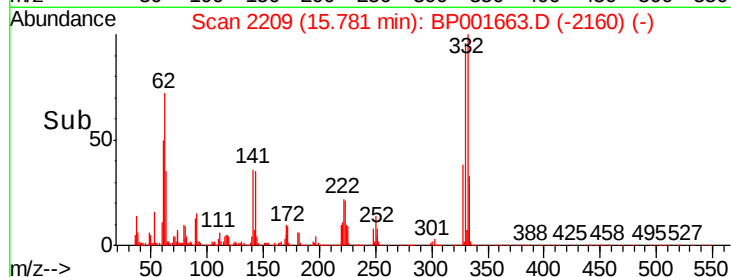
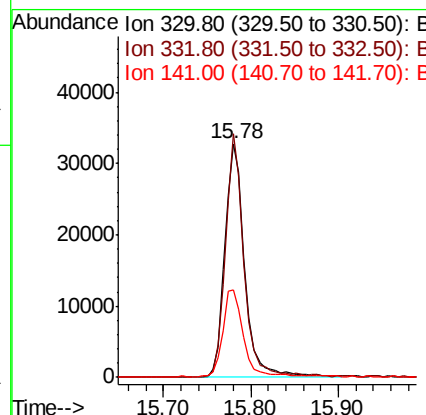
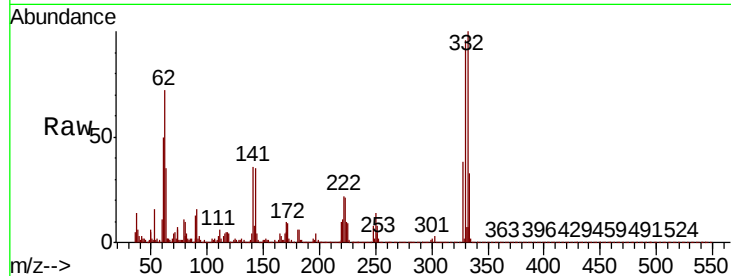




#42
 2,4,6-Tribromophenol
 Concen: 30.772 ng
 RT: 15.78 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: BP001663.D
 Acq: 17 Jan 2020 18:27

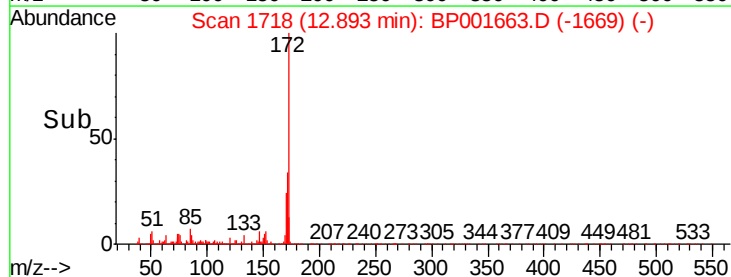
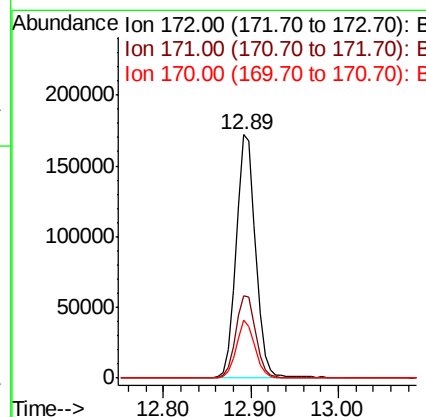
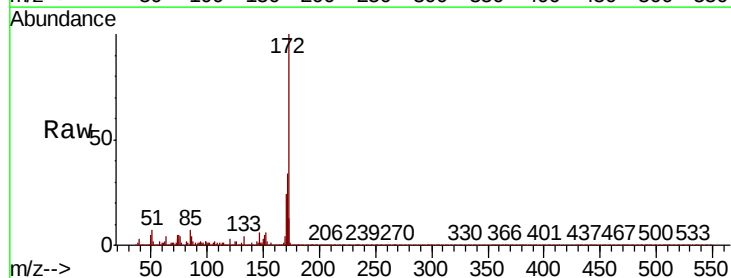
Instrument :
 BNA_P
 ClientSampleId :

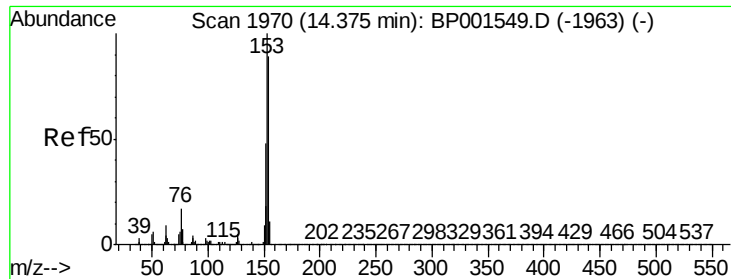
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.6
141	37.9	28.7	43.1



#45
 2-Fluorobiphenyl
 Concen: 34.564 ng
 RT: 12.89 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BP001663.D
 Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	27.6	41.4
170	23.7	18.3	27.5





#52

Acenaphthene

Concen: 2.392 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

ClientSampleId :

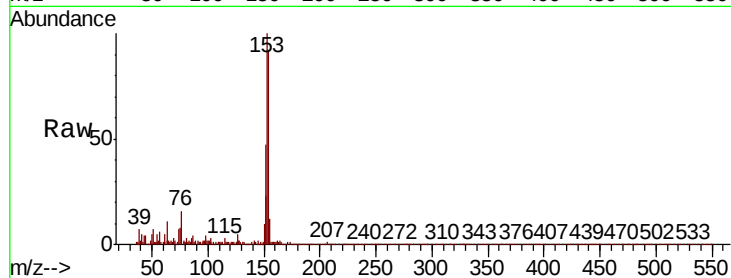
Tot Ion:154 Resp: 15098

Ion Ratio Lower Upper

154 100

153 109.3 89.4 134.2

152 51.0 42.6 64.0

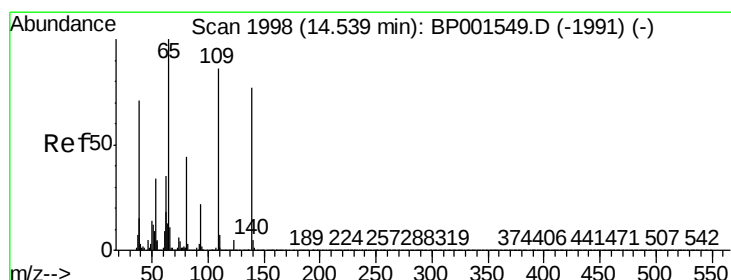
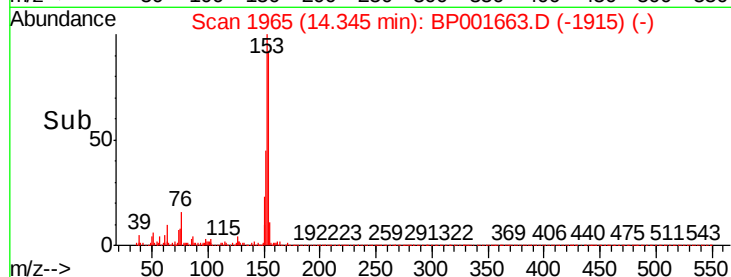
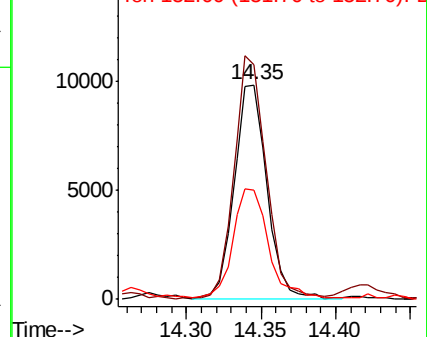


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 3.403 ng

RT: 14.69 min Scan# 2023

Delta R.T. 0.16 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

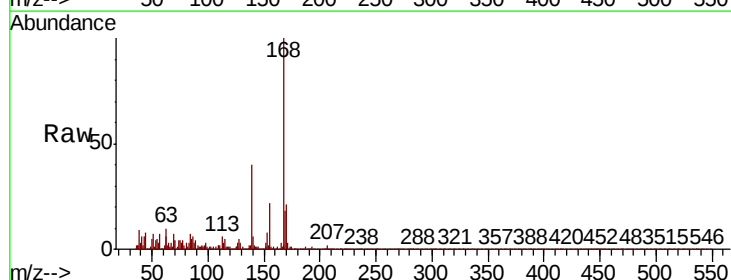
Tgt Ion:139 Resp: 5562

Ion Ratio Lower Upper

139 100

109 4.5 92.7 132.7#

65 6.3 111.1 151.1#

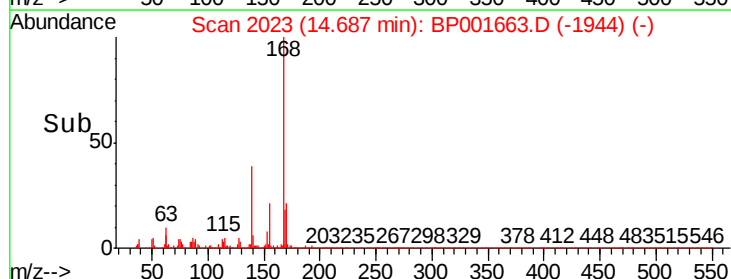
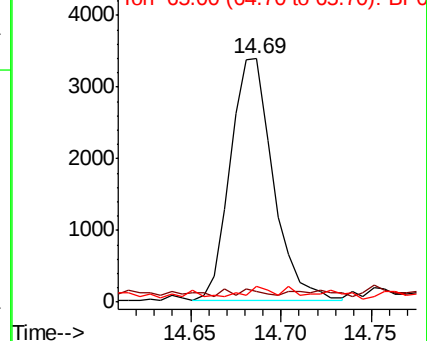


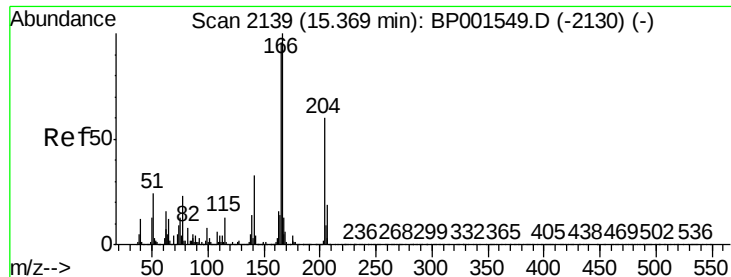
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BPO

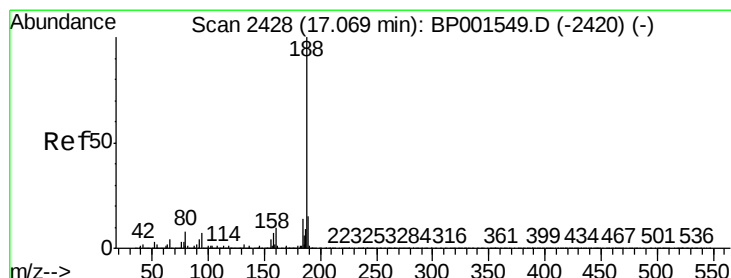
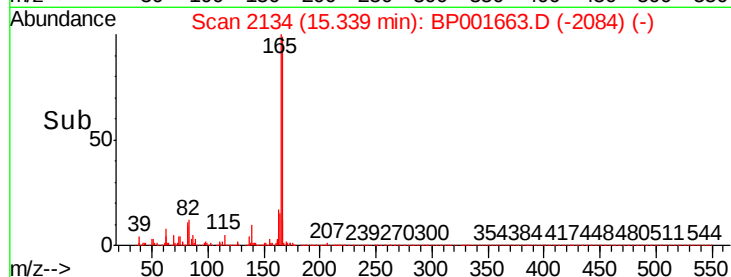
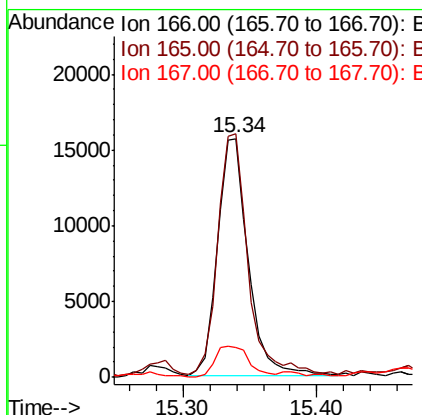
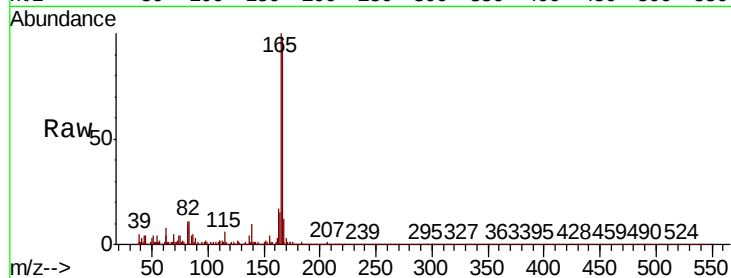




#58
 Fluorene
 Concen: 2.946 ng
 RT: 15.34 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BP001663.D
 Acq: 17 Jan 2020 18:27

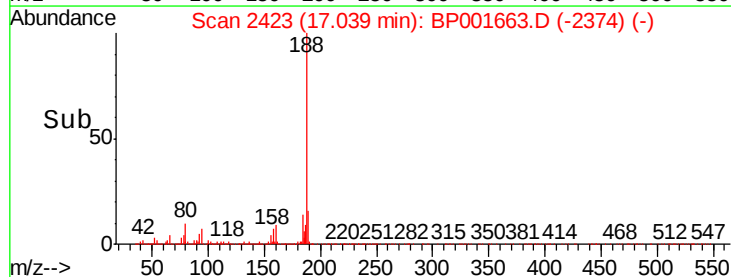
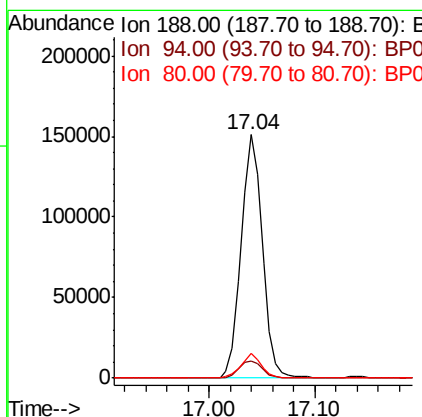
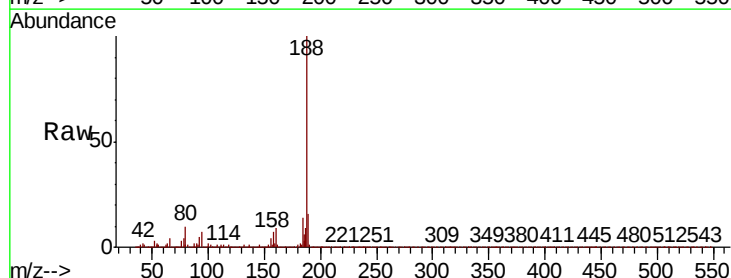
Instrument :
 BNA_P
 ClientSampleId :

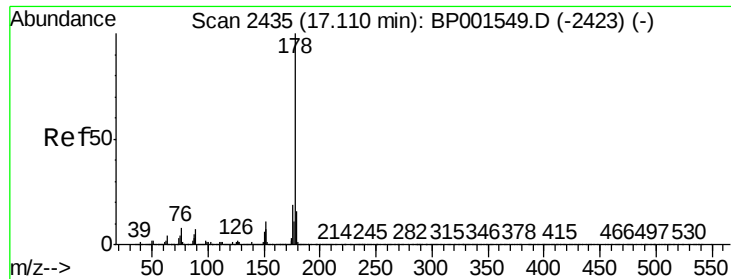
Tot Ion	166	165	167
Resp:	25452		
Ion Ratio	100	101.9	12.4
Lower		76.9	10.3
Upper		115.3	15.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.04 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BP001663.D
 Acq: 17 Jan 2020 18:27

Tgt Ion	188	94	80
Resp:	210647		
Ion Ratio	100	7.1	10.2
Lower		5.9	6.8
Upper		8.9	10.2

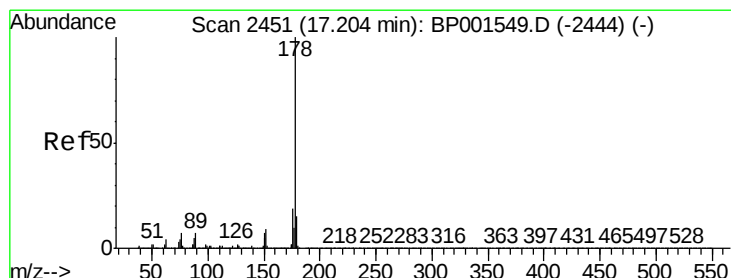
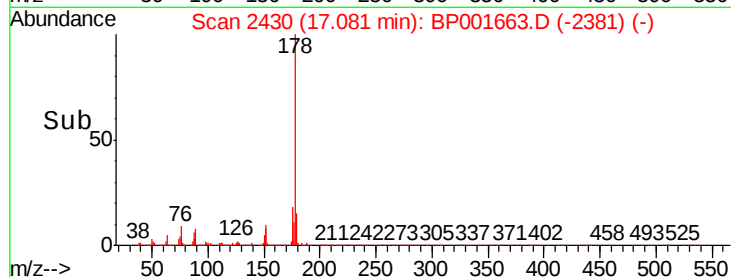
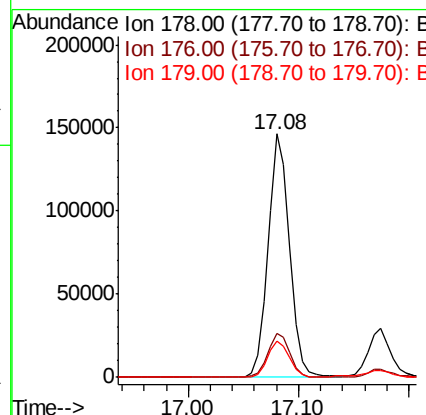
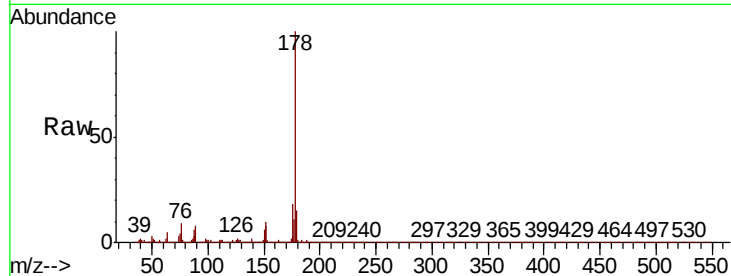




#71
Phenanthrene
Concen: 17.421 ng
RT: 17.08 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

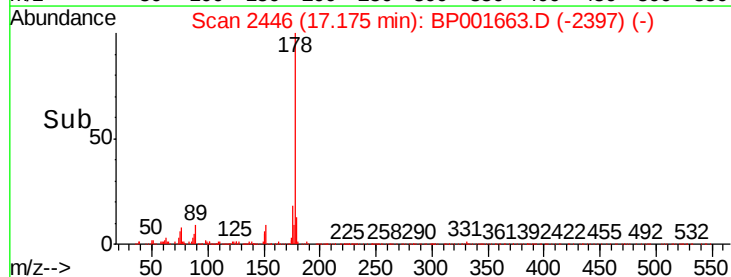
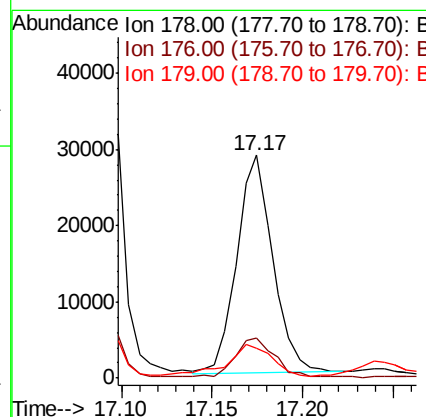
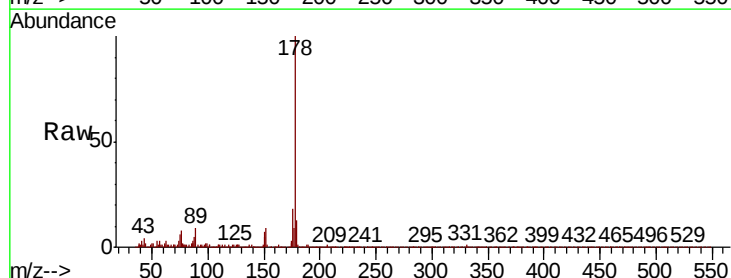
Instrument :
BNA_P
ClientSampleId :

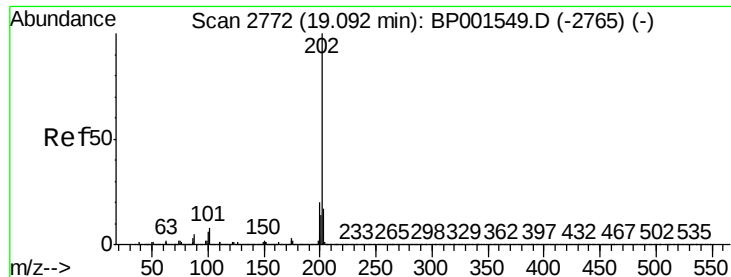
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.9	22.3
179	14.9	12.5	18.7



#72
Anthracene
Concen: 3.545 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.0	22.6
179	13.3	11.8	17.8

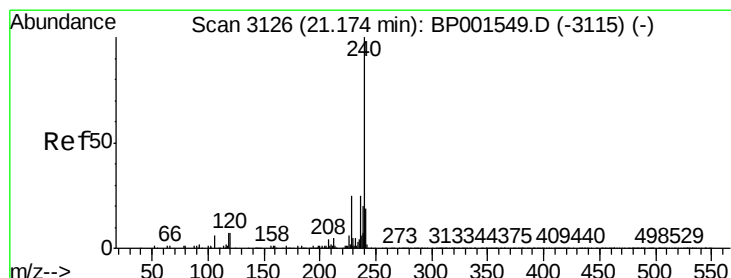
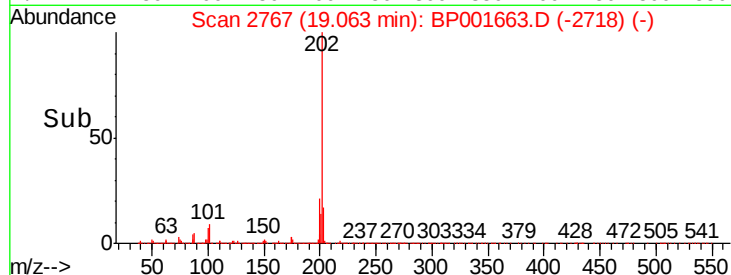
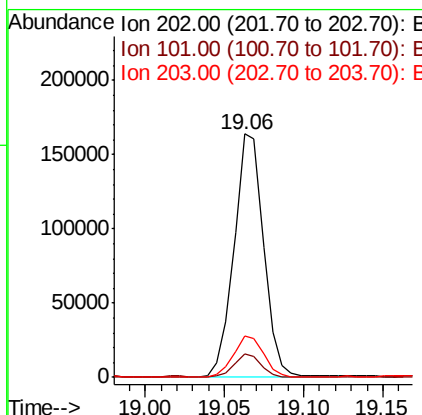
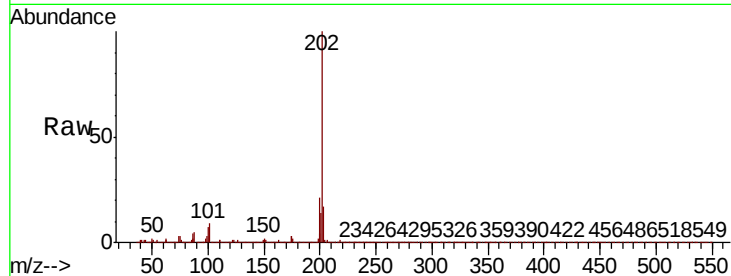




#75
Fluoranthene
Concen: 14.067 ng
RT: 19.06 min Scan# 2767
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

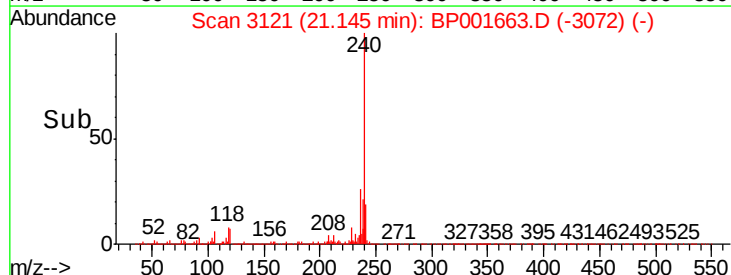
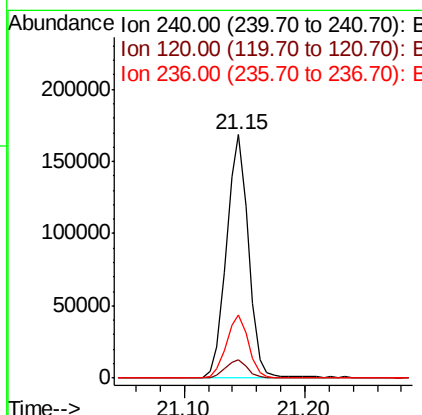
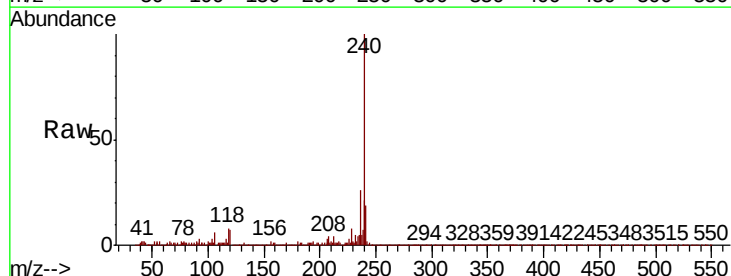
Instrument :
BNA_P
ClientSampleId :

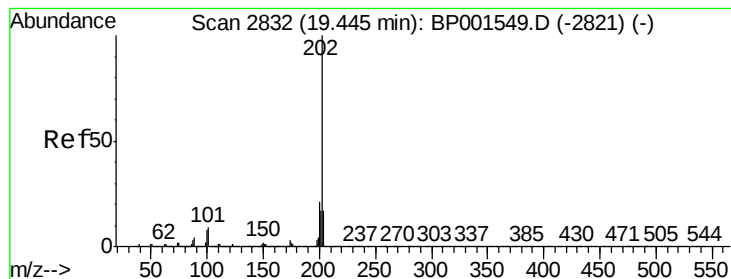
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	28.4
203	17.2	0.0	37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.5	5.7	8.5
236	26.0	20.4	30.6





#78

Pvrene

Concen: 13.761 ng

RT: 19.42 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

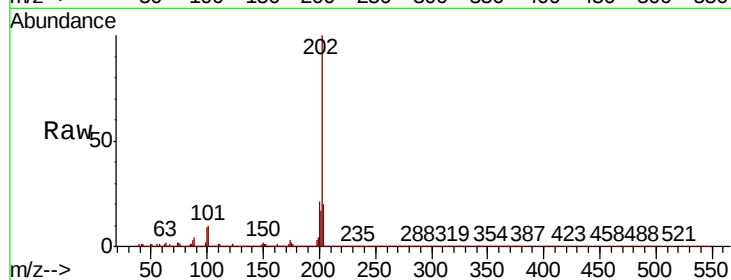
Instrument :

BNA_P

ClientSampleId :

Tot Ion:202 Resp: 214588

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	19.6	13.7	20.5

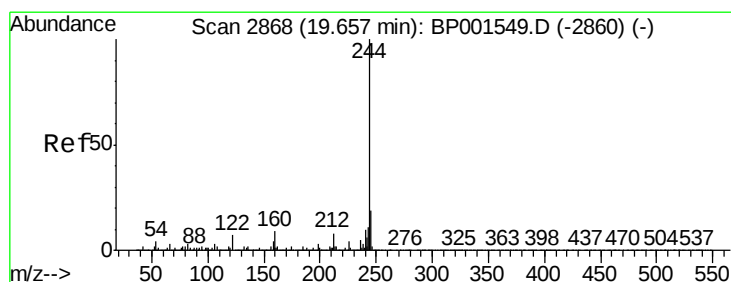
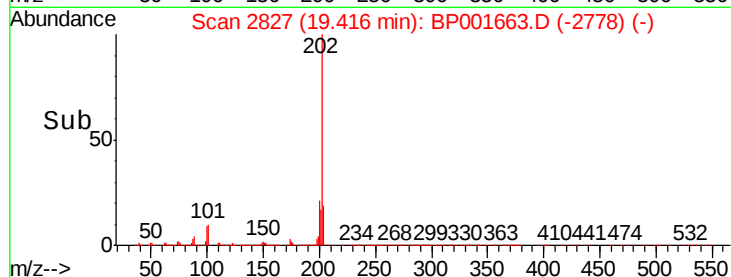
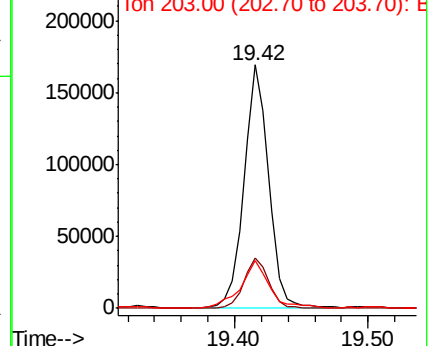


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 26.627 ng

RT: 19.63 min Scan# 2863

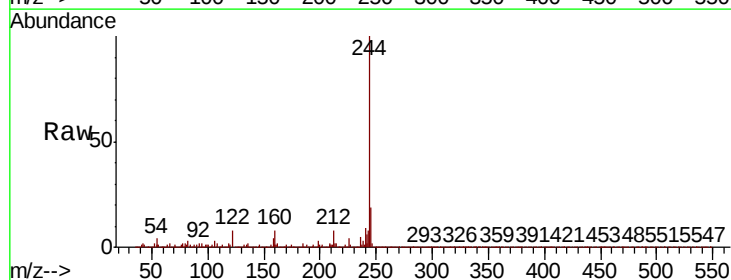
Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Tgt Ion:244 Resp: 309047

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.3	9.5
122	7.6	5.8	8.6

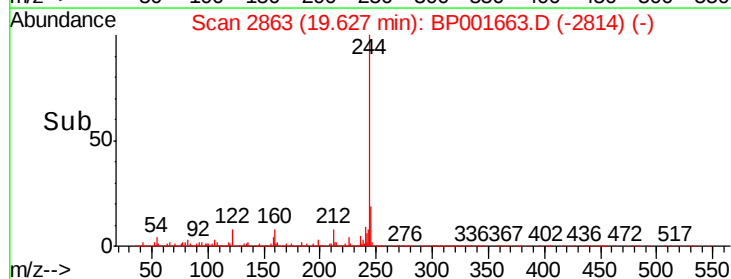
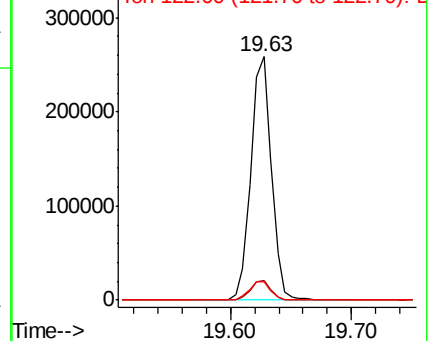


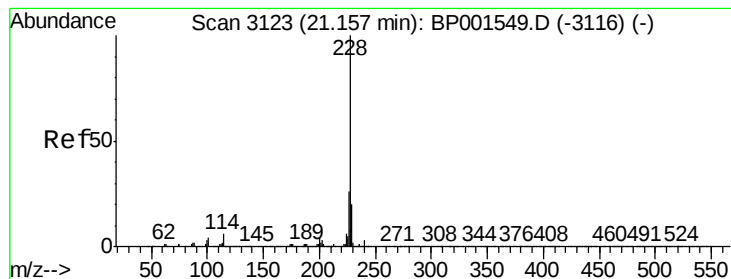
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.372 ng

RT: 21.13 min Scan# 3118

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

ClientSampled :

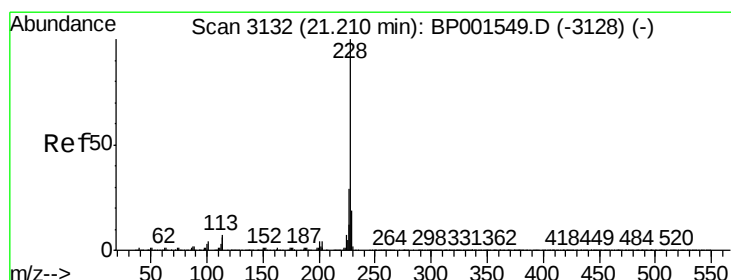
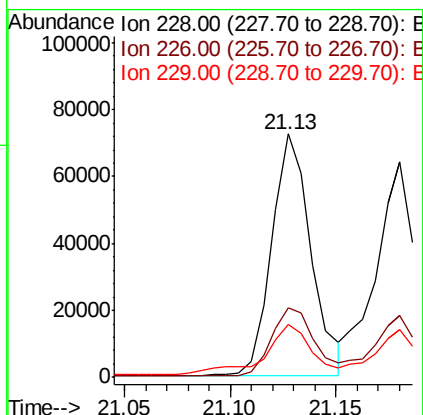
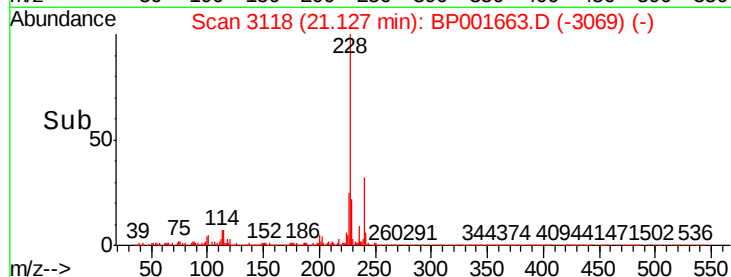
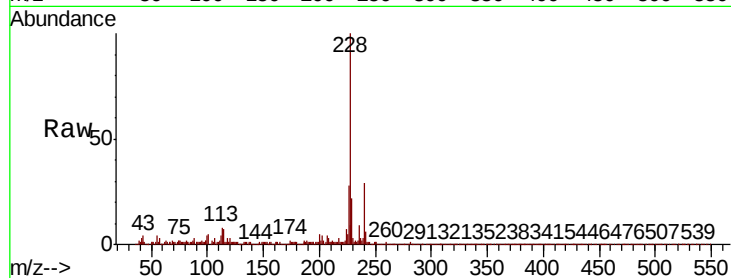
Tot Ion:228 Resp: 94201

Ion Ratio Lower Upper

228 100

226 28.3 21.2 31.8

229 21.8 16.1 24.1



#83

Chrysene

Concen: 5.926 ng

RT: 21.18 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

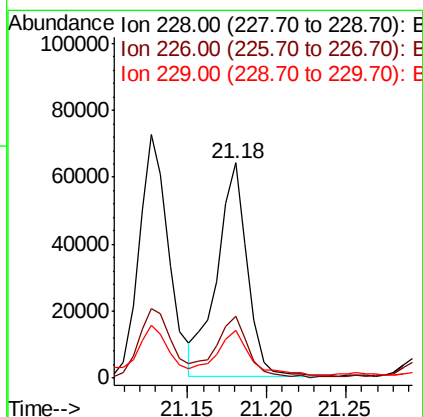
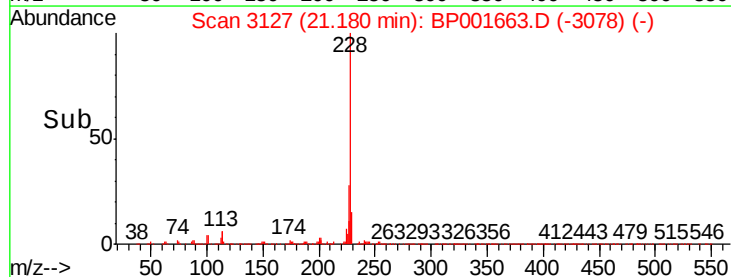
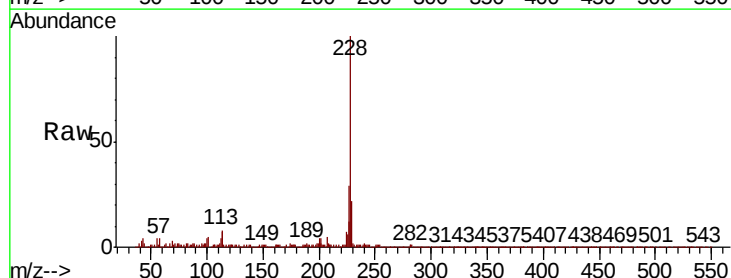
Tgt Ion:228 Resp: 85382

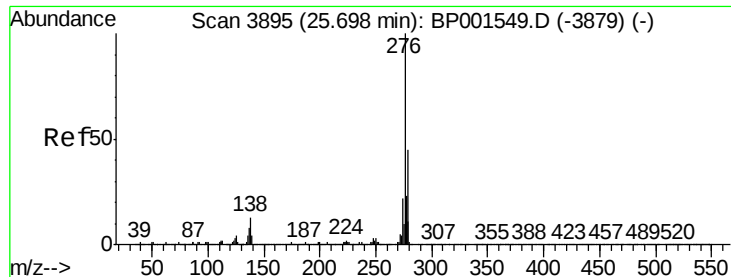
Ion Ratio Lower Upper

228 100

226 28.7 23.2 34.8

229 22.3 15.2 22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.084 ng

RT: 25.63 min Scan# 3883

Delta R.T. -0.03 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

ClientSampleId :

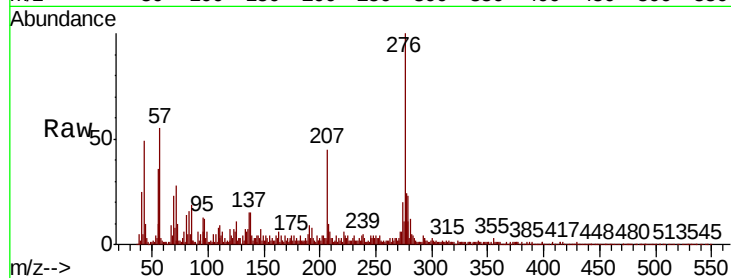
Tot Ion:276 Resp: 35140

Ion Ratio Lower Upper

276 100

138 15.1 11.1 16.7

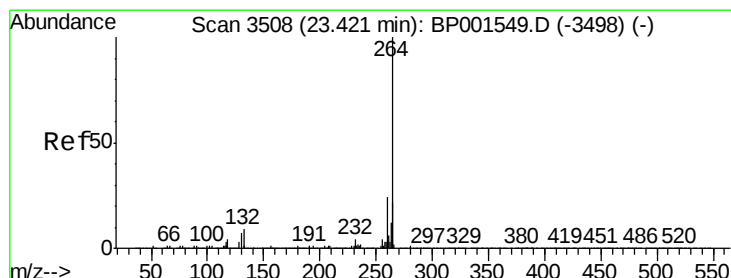
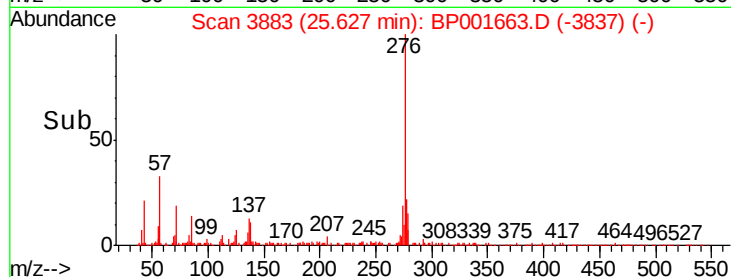
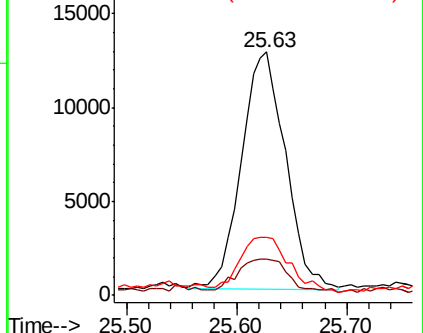
277 25.7 20.4 30.6



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: 23.38 min Scan# 3501

Delta R.T. -0.01 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

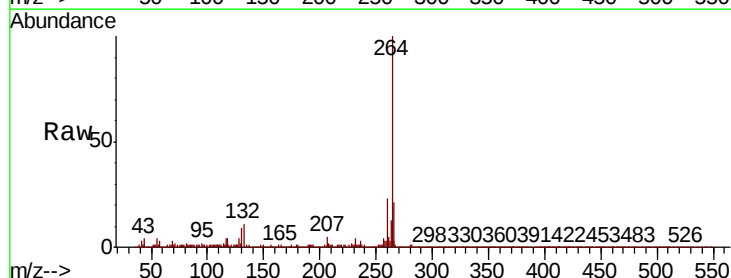
Tgt Ion:264 Resp: 226244

Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

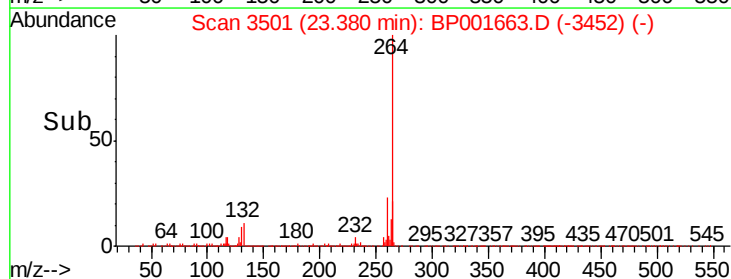
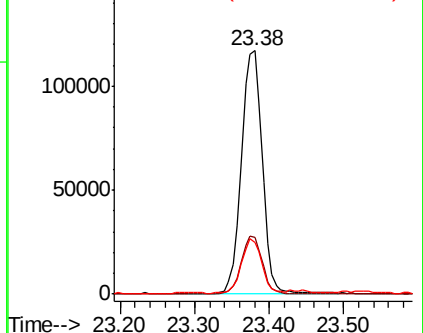
265 21.3 18.2 27.4

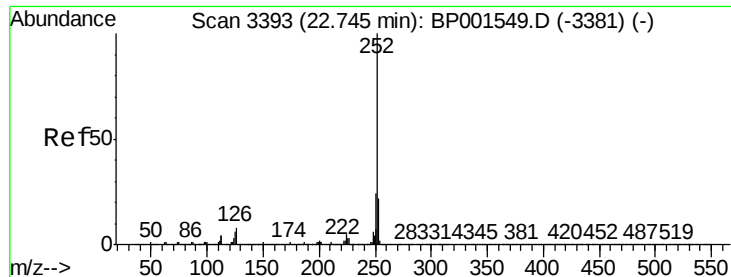


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

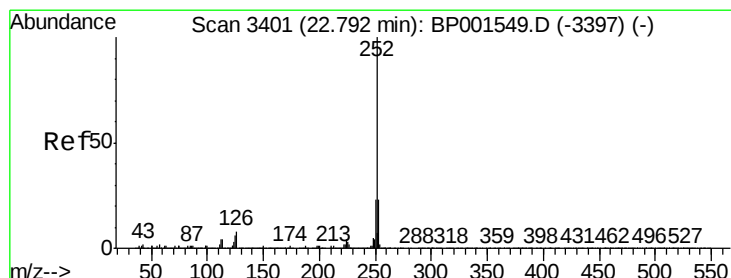
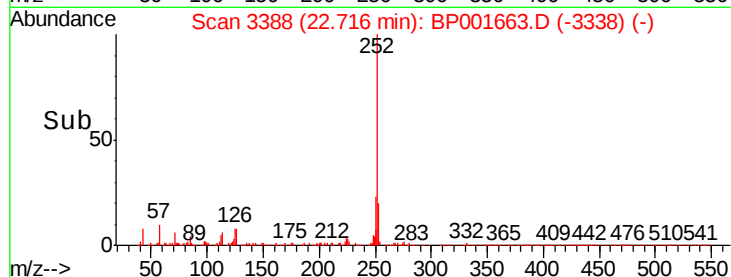
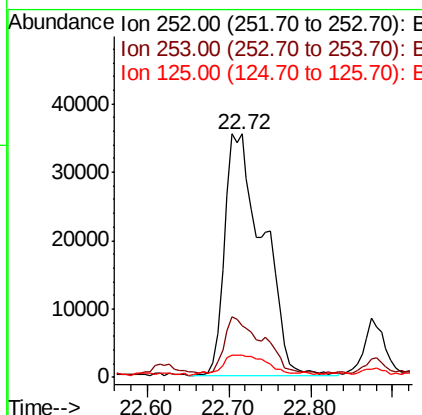
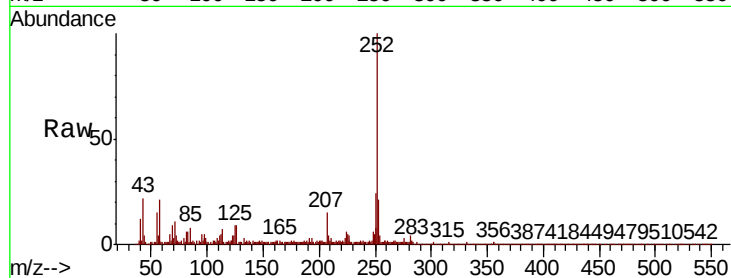




#88
Benzo(b)fluoranthene
Concen: 8.084 ng
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

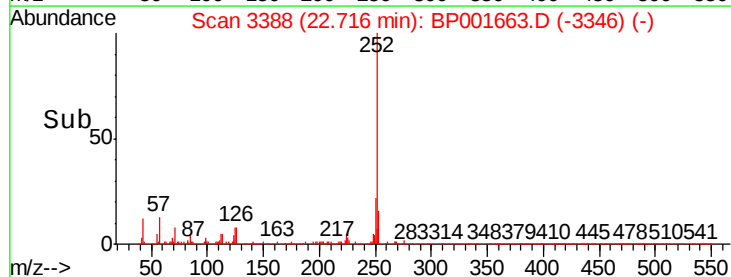
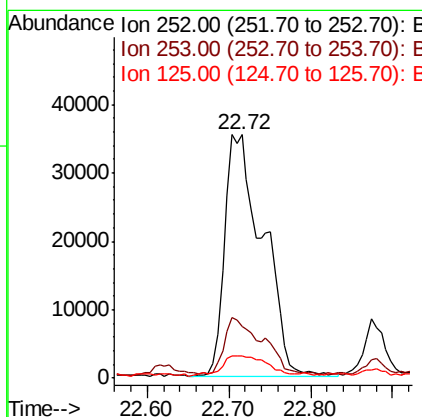
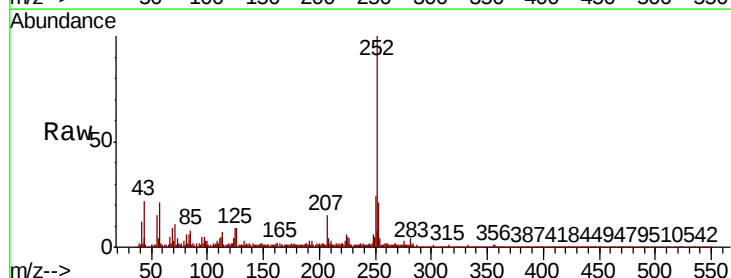
Instrument :
BNA_P
ClientSampled :

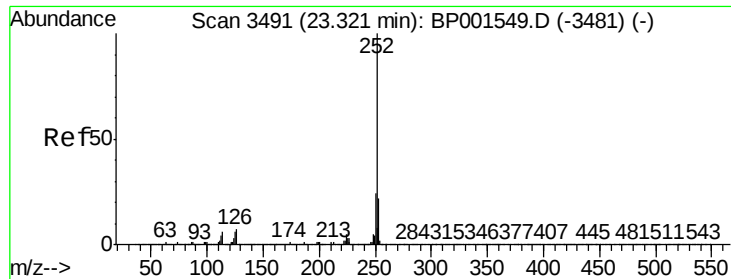
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	9.3	4.6	7.0



#89
Benzo(k)fluoranthene
Concen: 8.291 ng
RT: 22.72 min Scan# 3388
Delta R.T. -0.05 min
Lab File: BP001663.D
Acq: 17 Jan 2020 18:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.2
125	9.3	4.6	6.8





#90

Benzo(a)pyrene

Concen: 4.829 ng

RT: 23.27 min Scan# 3483

Delta R.T. -0.02 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

Instrument :

BNA_P

ClientSampleId :

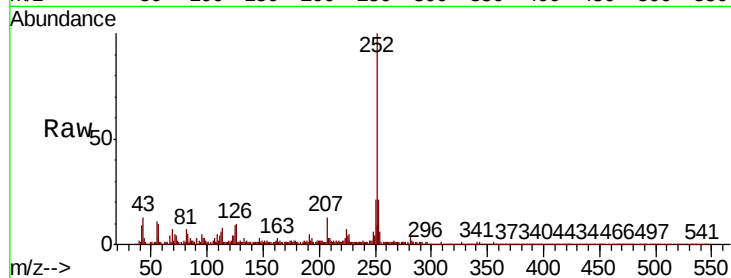
Tot Ion:252 Resp: 65372

Ion Ratio Lower Upper

252 100

253 21.4 17.6 26.4

125 9.5 5.0 7.4#

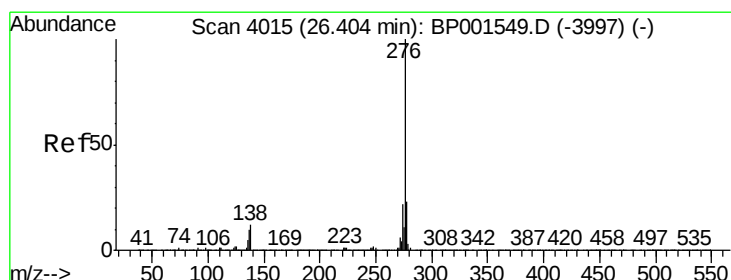
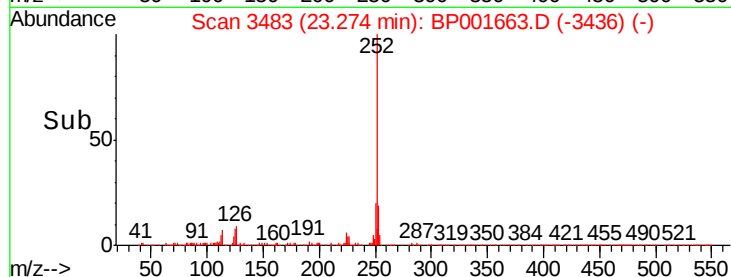
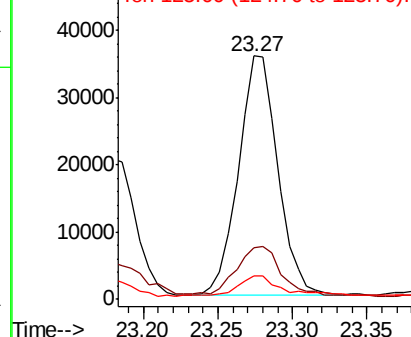


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.398 ng

RT: 26.31 min Scan# 3999

Delta R.T. -0.03 min

Lab File: BP001663.D

Acq: 17 Jan 2020 18:27

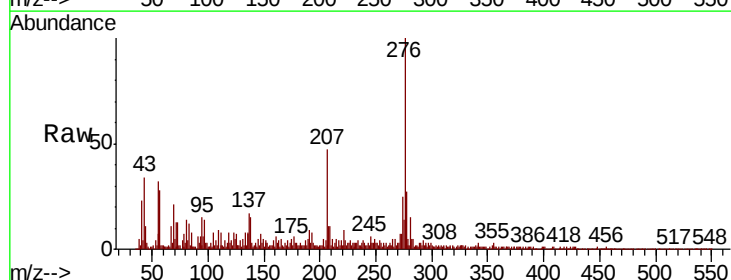
Tgt Ion:276 Resp: 33295

Ion Ratio Lower Upper

276 100

277 26.5 18.6 28.0

138 15.3 9.4 14.2#



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

