

Data File : BP001641.D
Acq On : 16 Jan 2020 22:38
Operator : JU
Sample : L1148-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SB-30-(3-5)

Quant Time: Jan 17 04:35:01 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	38314	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	143552	20.00	ng	-0.01
39) Acenaphthene-d10	14.27	164	96839	20.00	ng	-0.01
64) Phenanthrene-d10	17.04	188	220407	20.00	ng	-0.01
76) Chrysene-d12	21.15	240	187767	20.00	ng	-0.01
87) Perylene-d12	23.37	264	191057	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	213995	109.41	ng	0.00
7) Phenol-d6	6.83	99	316798	101.35	ng	0.00
23) Nitrobenzene-d5	8.78	82	219895	66.94	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	133765	90.74	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	426246	64.72	ng	-0.01
79) Terphenyl-d14	19.63	244	633010	61.66	ng	-0.01

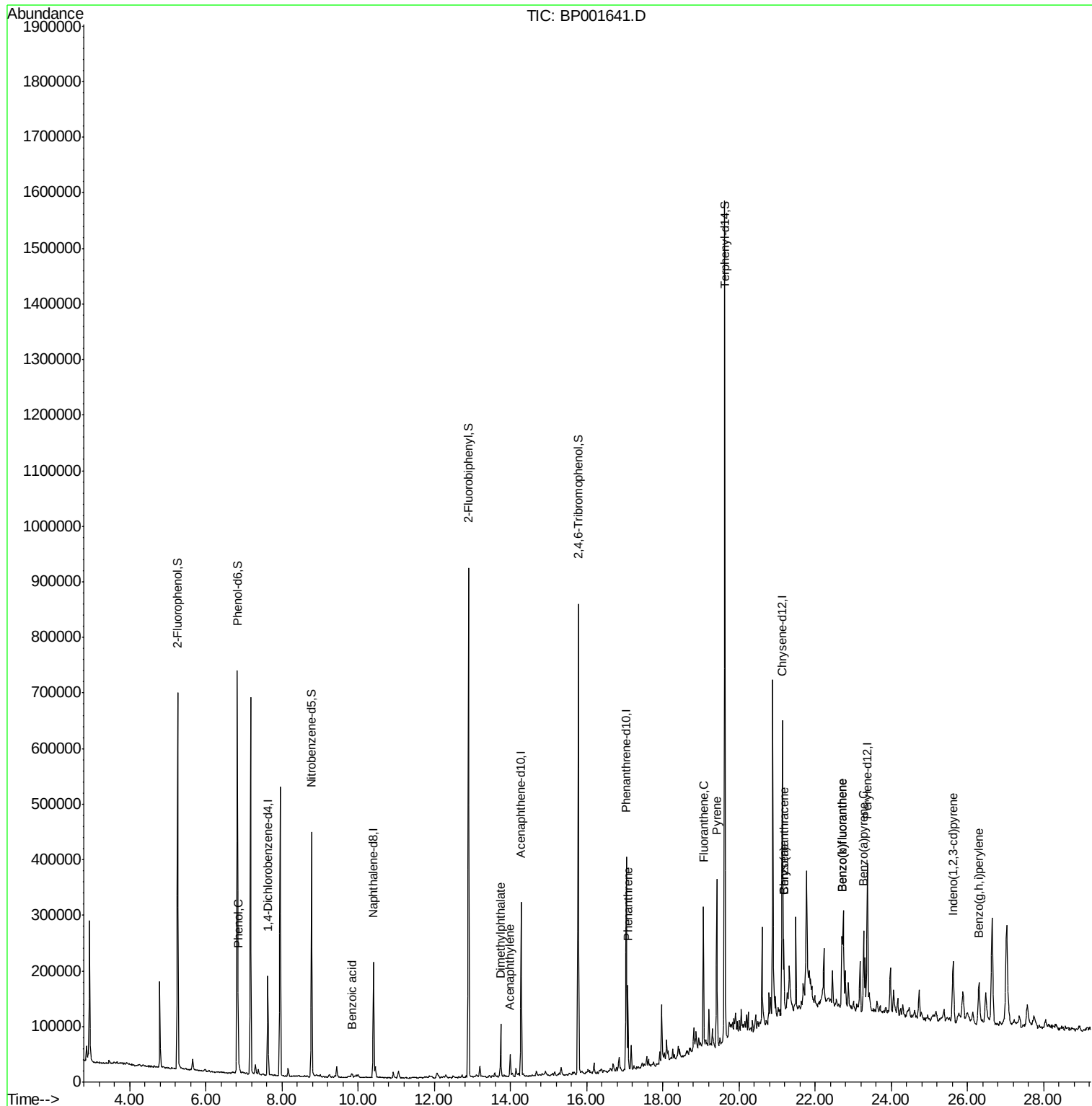
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.85	94	8411	2.601	ng	90
32) Benzoic acid	9.85	122	103	4.758	ng	89
49) Acenaphthylene	13.99	152	25906	2.913	ng	96
50) Dimethylphthalate	13.74	163	46830	5.871	ng	97
71) Phenanthrene	17.08	178	83747	6.987	ng	99
75) Fluoranthene	19.06	202	137723	8.732	ng	98
78) Pyrene	19.42	202	173475	12.577	ng	98
81) Benzo(a)anthracene	21.18	228	77773	5.947	ng	93
83) Chrysene	21.18	228	77773	6.103	ng	95
86) Indeno(1,2,3-cd)pyrene	25.62	276	79995	5.362	ng	97
88) Benzo(b)fluoranthene	22.71	252	151339	12.570	ng	# 96
89) Benzo(k)fluoranthene	22.71	252	151339	12.893	ng	# 95
90) Benzo(a)pyrene	23.27	252	88460	7.739	ng	97
92) Benzo(g,h,i)perylene	26.30	276	90232	7.696	ng	# 96

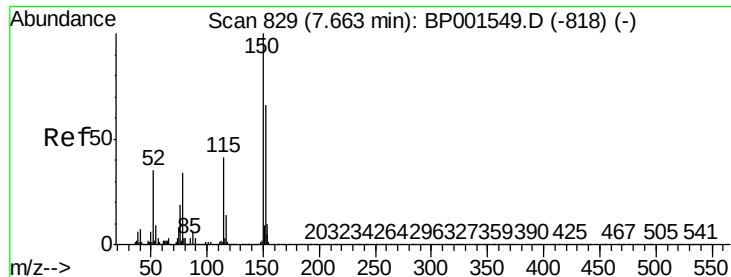
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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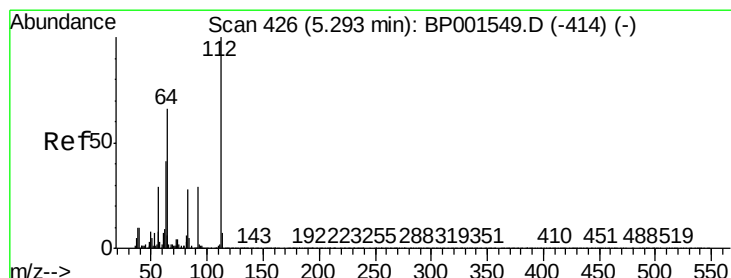
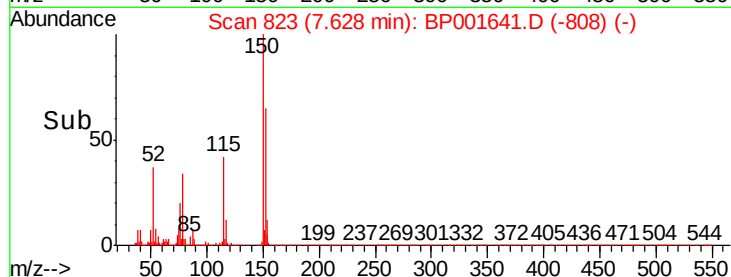
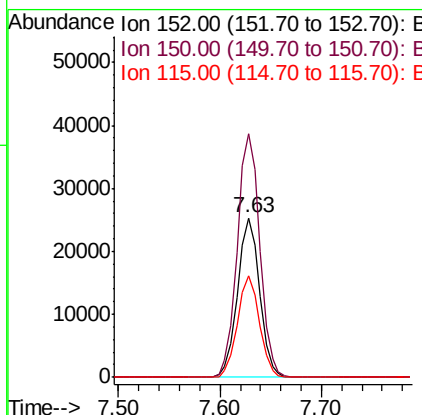
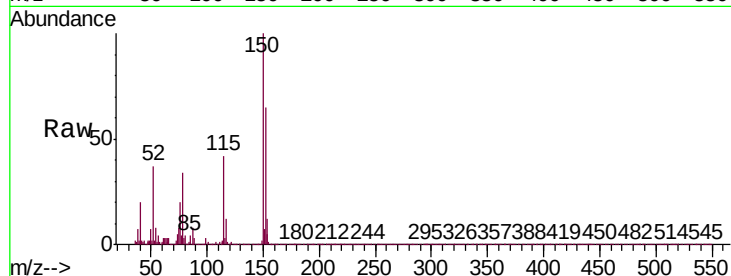




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.63 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: BP001641.D
 Acq: 16 Jan 2020 22:38

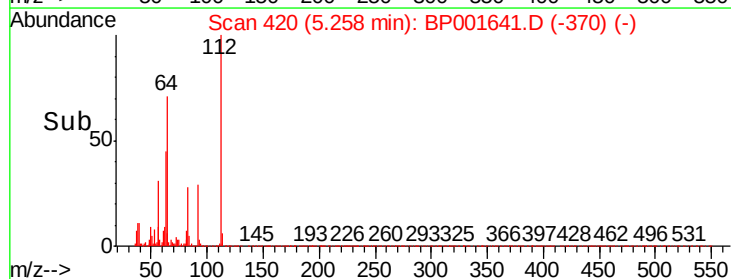
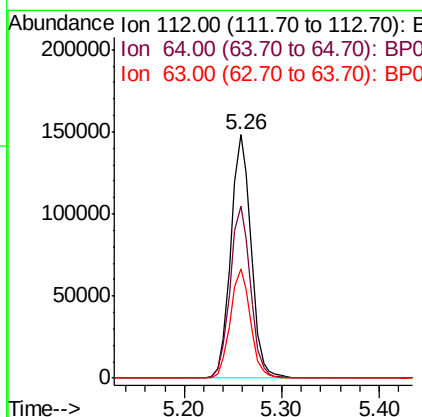
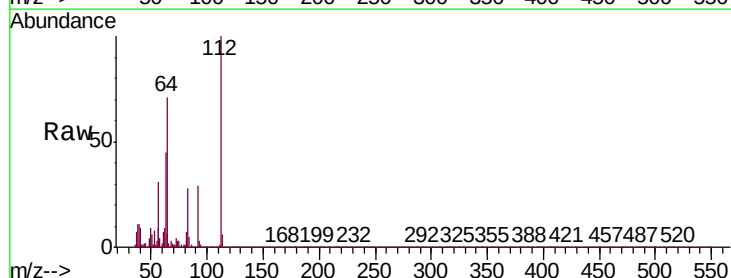
Instrument :
 BNA_P
 ClientSampleId :
 SB-30-(3-5)

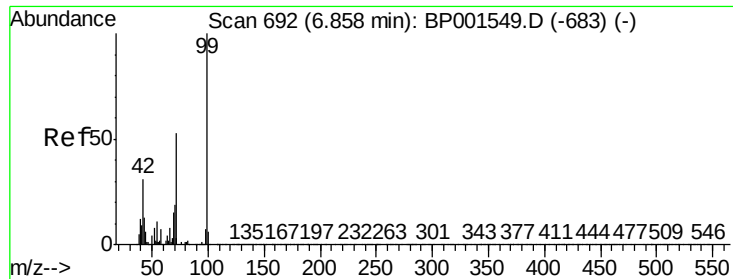
Tgt Ion:152 Resp: 38314
 Ion Ratio Lower Upper
 152 100
 150 152.9 122.0 183.0
 115 64.1 50.7 76.1



#5
 2-Fluorophenol
 Concen: 109.410 ng
 RT: 5.26 min Scan# 420
 Delta R.T. -0.01 min
 Lab File: BP001641.D
 Acq: 16 Jan 2020 22:38

Tgt Ion:112 Resp: 213995
 Ion Ratio Lower Upper
 112 100
 64 70.8 52.8 79.2
 63 44.6 33.1 49.7





#7

Phenol-d6

Concen: 101.346 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Instrument :

BNA_P

ClientSampleId :

SB-30-(3-5)

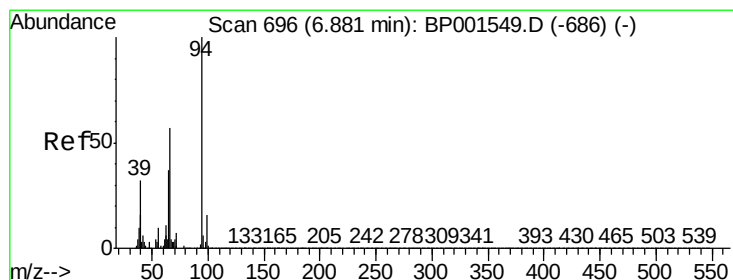
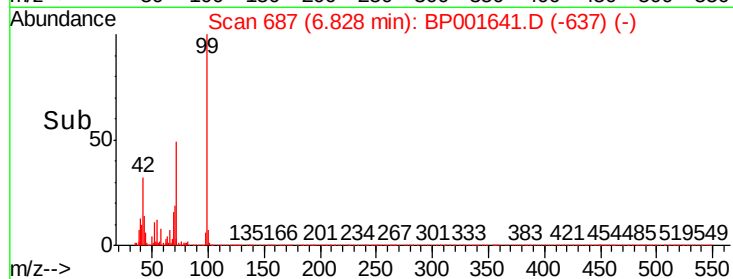
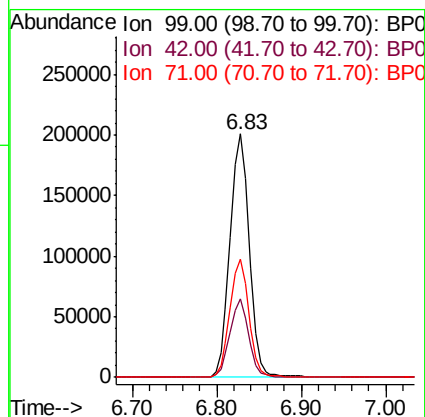
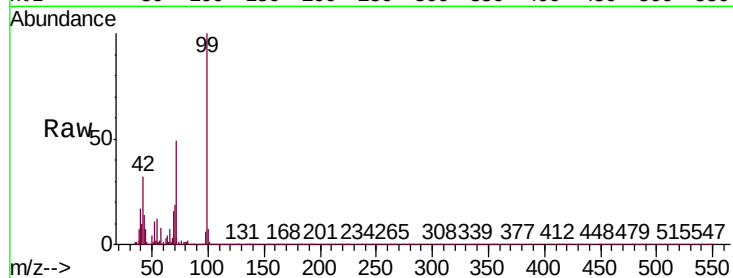
Tgt Ion: 99 Resp: 316798

Ion Ratio Lower Upper

99 100

42 32.4 24.5 36.7

71 48.6 42.4 63.6



#10

Phenol

Concen: 2.601 ng

RT: 6.85 min Scan# 691

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

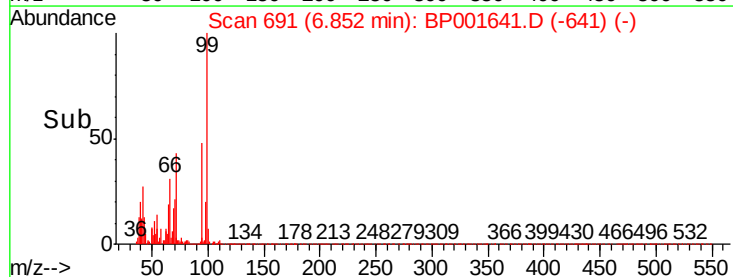
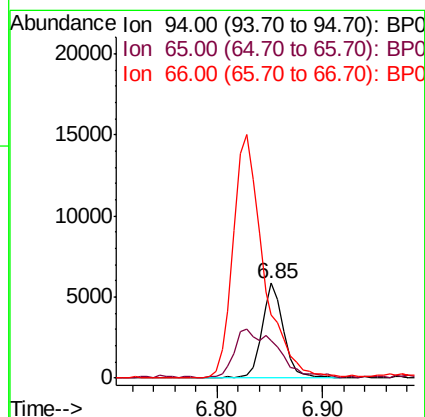
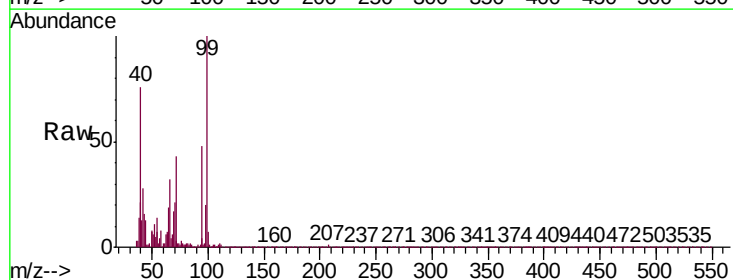
Tgt Ion: 94 Resp: 8411

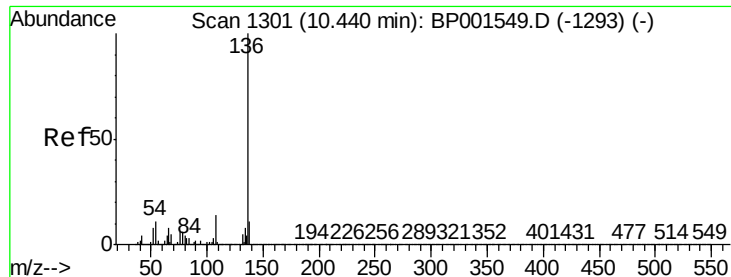
Ion Ratio Lower Upper

94 100

65 40.4 17.5 57.5

66 66.2 36.7 76.7

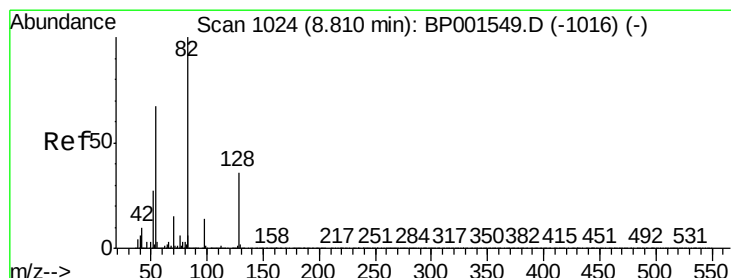
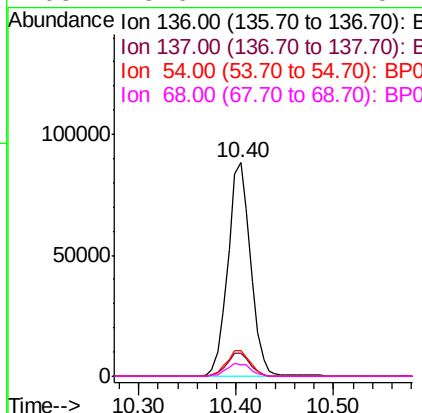
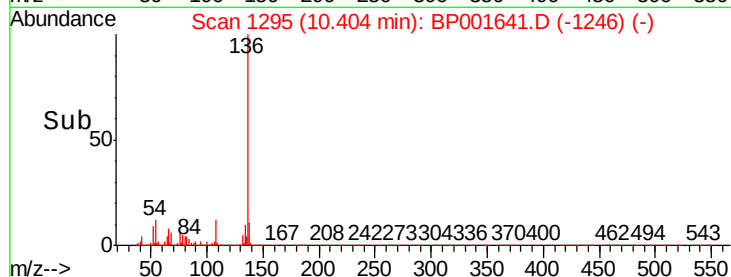
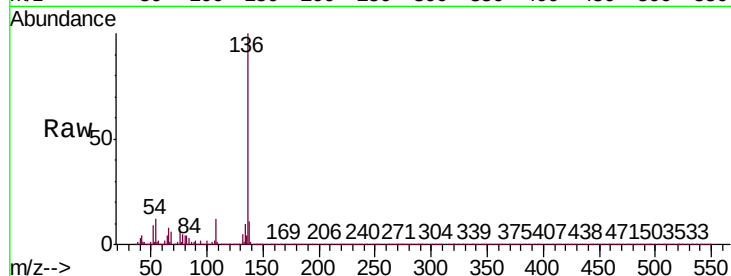




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

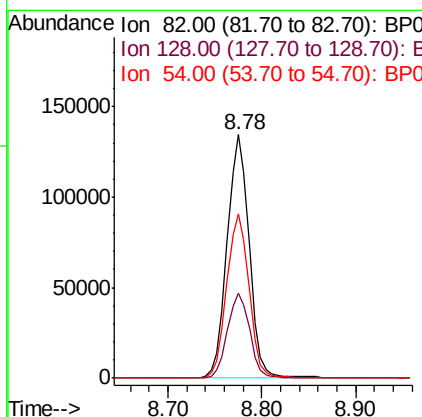
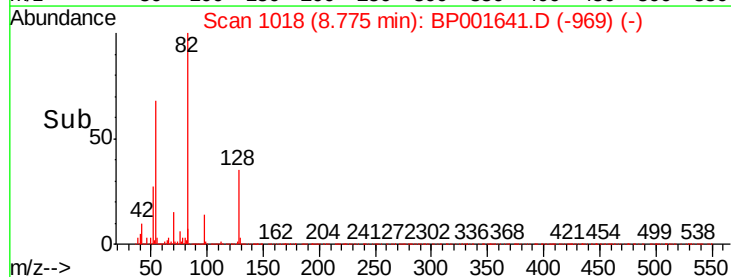
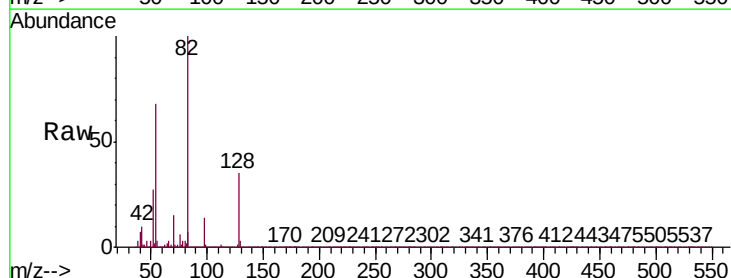
Instrument :
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SB-30-(3-5)

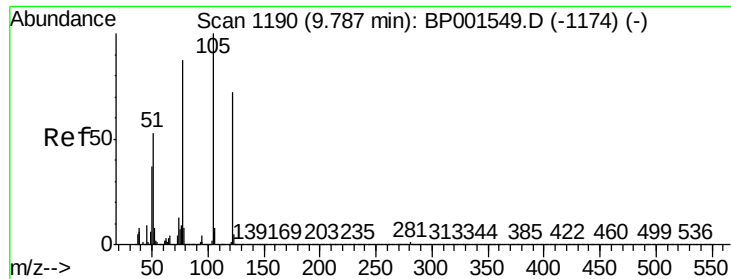
Tgt Ion:	136	Resp:	143552
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	12.0	9.2	13.8
68	5.6	4.1	6.1



#23
Nitrobenzene-d5
Concen: 66.937 ng
RT: 8.78 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

Tgt Ion:	82	Resp:	219895
Ion	Ratio	Lower	Upper
82	100		
128	34.8	28.4	42.6
54	67.5	53.4	80.2

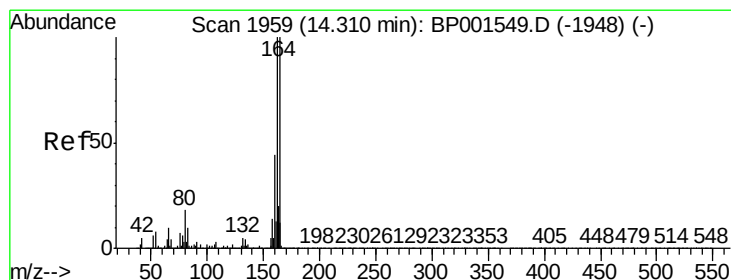
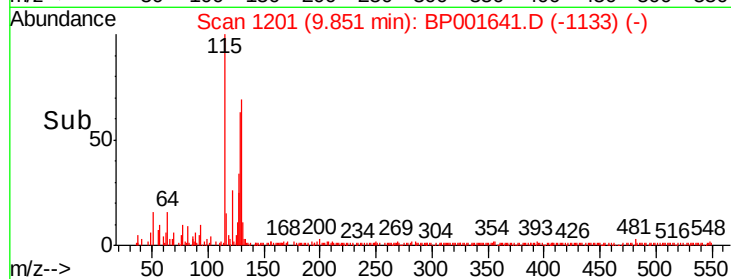
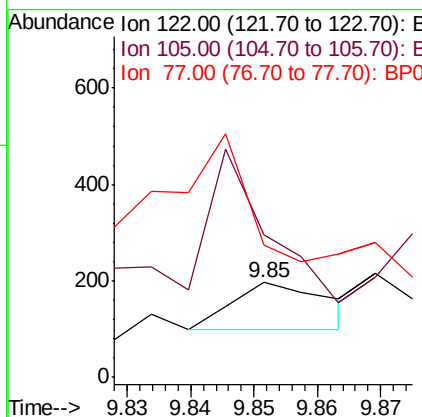
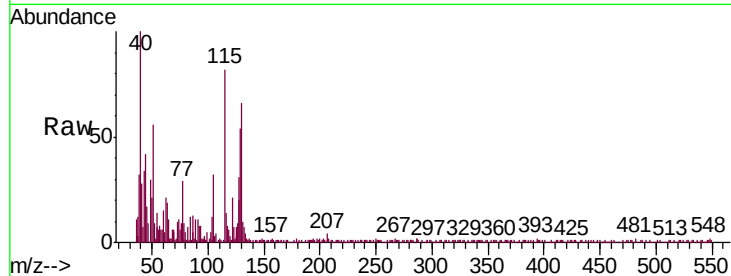




#32
Benzoic acid
Concen: 4.758 ng
RT: 9.85 min Scan# 1201
Delta R.T. 0.10 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

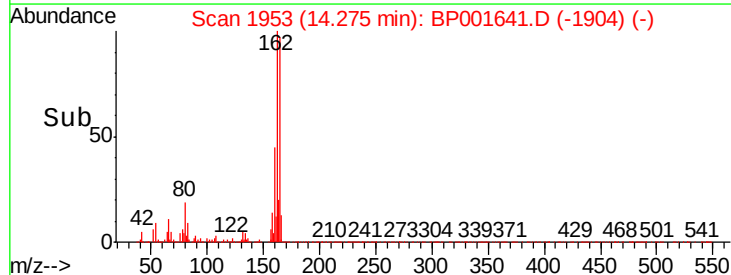
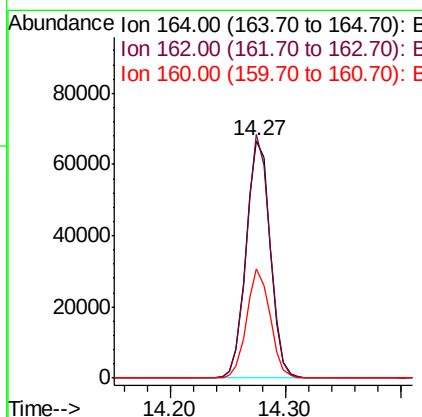
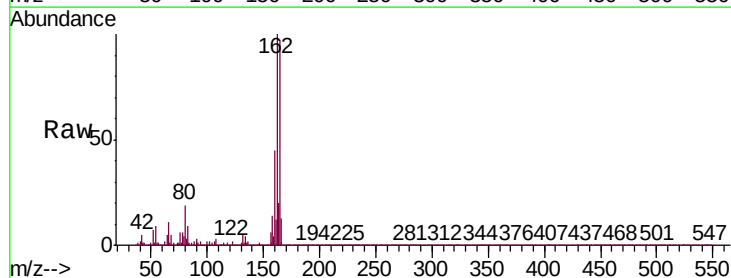
Instrument :
BNA_P
ClientSampleId :
SB-30-(3-5)

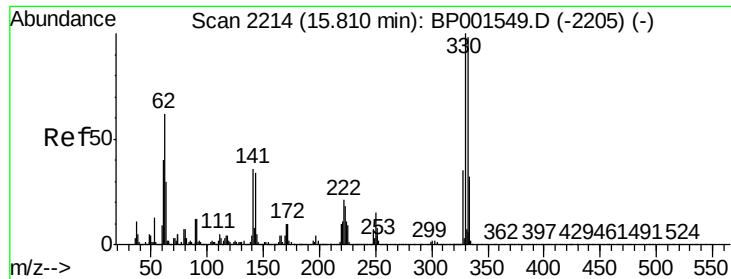
Tgt Ion	Ratio	Lower	Upper
122	100		
105	149.7	119.5	159.5
77	139.1	102.8	142.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.27 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	79.8	119.6
160	45.8	35.0	52.6

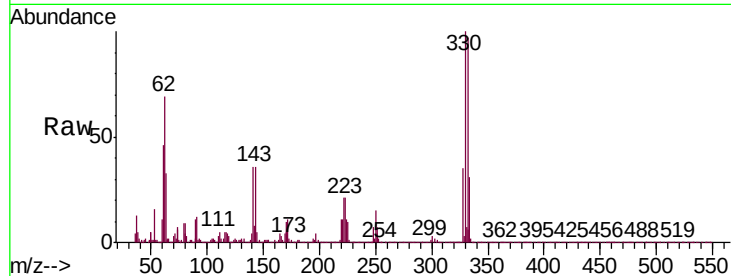




#42
2,4,6-Tribromophenol
Concen: 90.745 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

Instrument :
BNA_P
ClientSampleId :
SB-30-(3-5)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.8	116.6
141	37.5	28.7	43.1

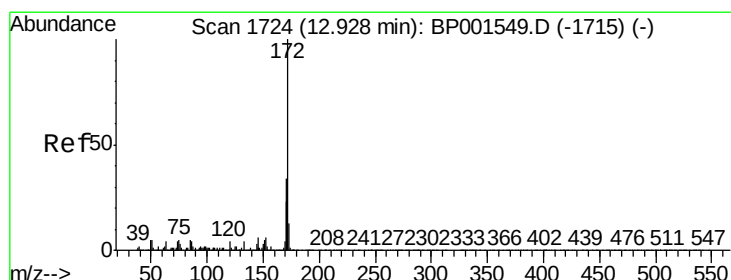
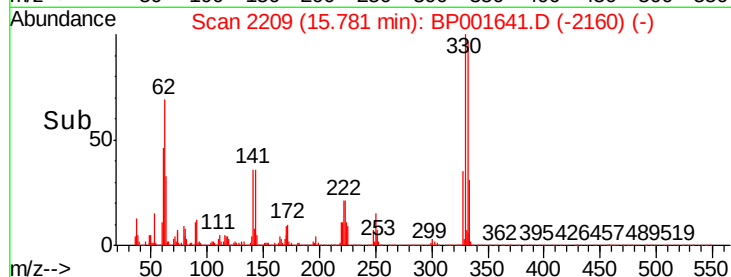
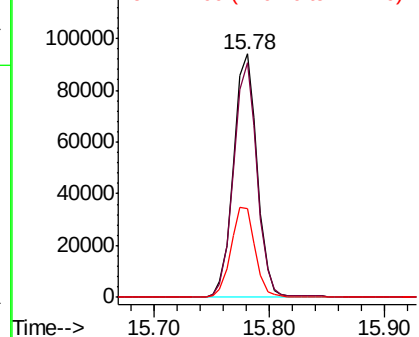


Abundance

Ion 329.80 (329.50 to 330.50): E

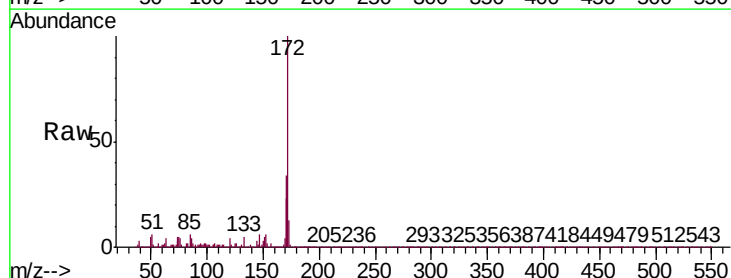
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 64.716 ng
RT: 12.89 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.6	41.4
170	22.7	18.3	27.5

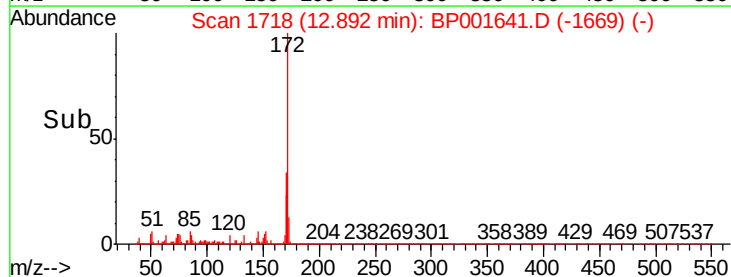
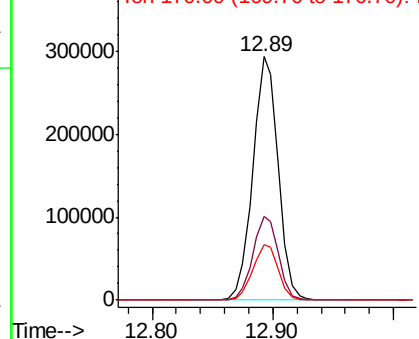


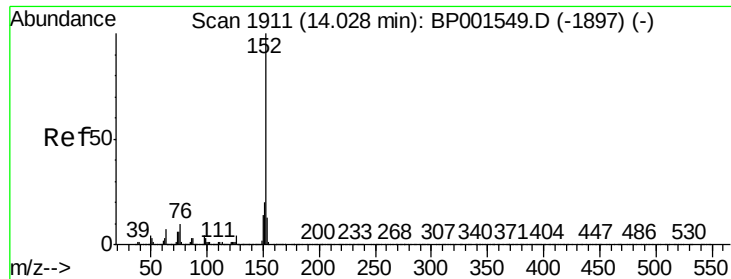
Abundance

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





#49

Acenaphthylene

Concen: 2.913 ng

RT: 13.99 min Scan# 1905

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Instrument :

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ClientSampleId :

SB-30-(3-5)

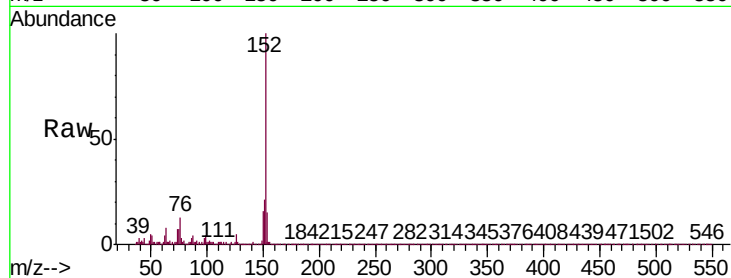
Tgt Ion:152 Resp: 25906

Ion Ratio Lower Upper

152 100

151 21.0 15.9 23.9

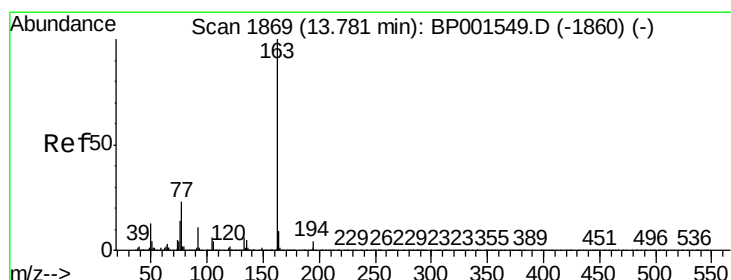
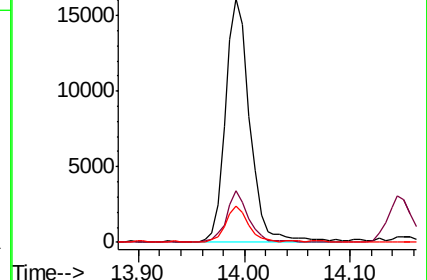
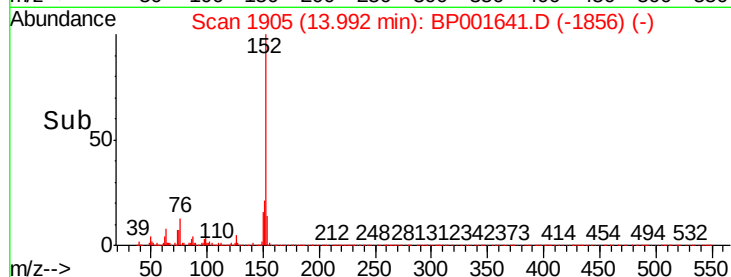
153 15.1 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.871 ng

RT: 13.74 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

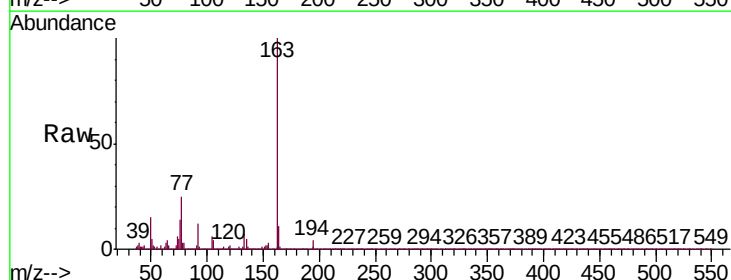
Tgt Ion:163 Resp: 46830

Ion Ratio Lower Upper

163 100

194 3.8 3.6 5.4

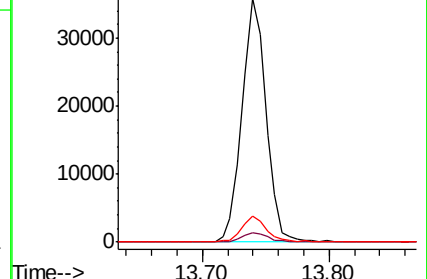
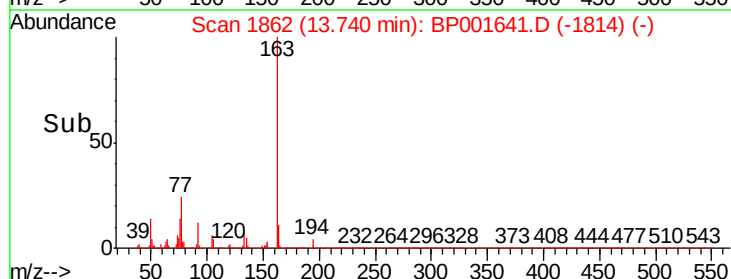
164 10.6 7.5 11.3

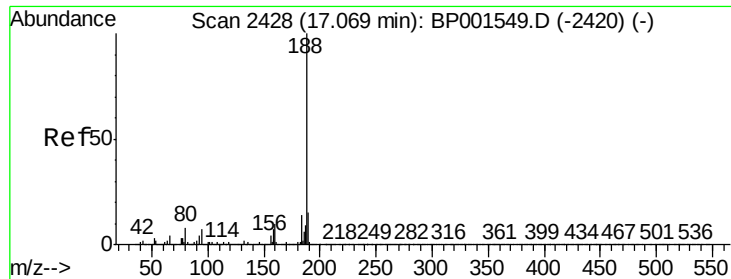


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Instrument :

BNA_P

ClientSampleId :

SB-30-(3-5)

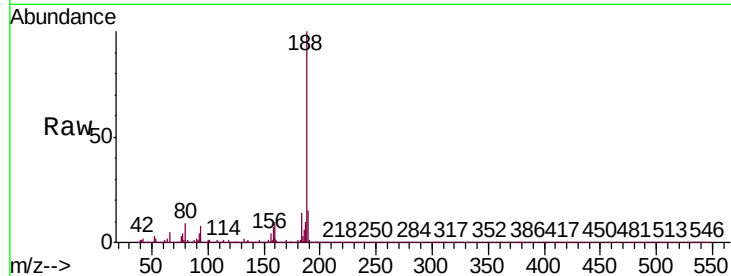
Tgt Ion:188 Resp: 220407

Ion Ratio Lower Upper

188 100

94 7.8 5.9 8.9

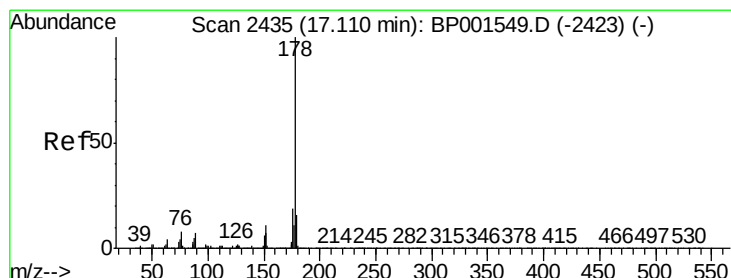
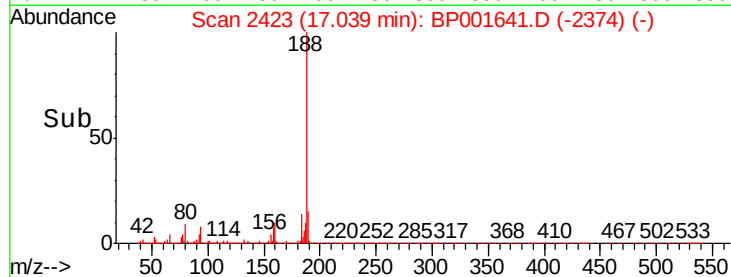
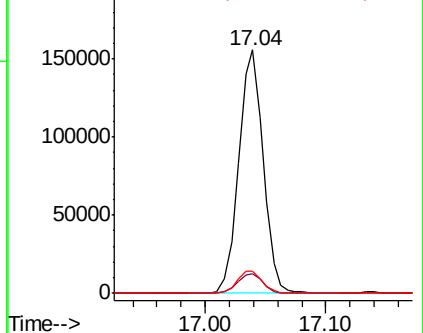
80 8.9 6.8 10.2



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



#71

Phenanthrene

Concen: 6.987 ng

RT: 17.08 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

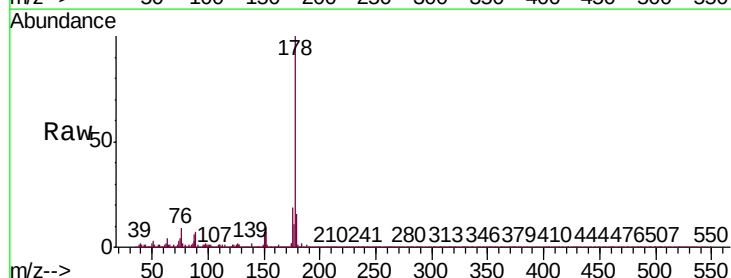
Tgt Ion:178 Resp: 83747

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

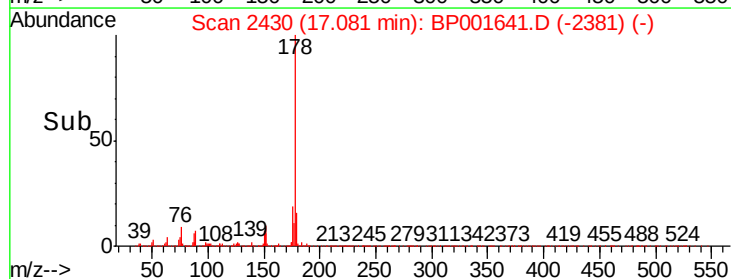
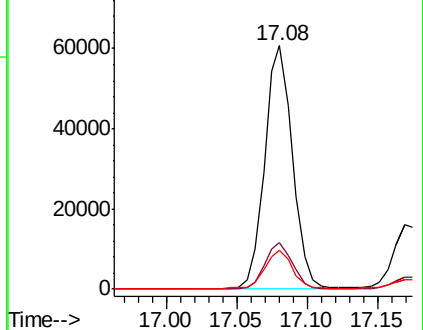
179 15.8 12.5 18.7

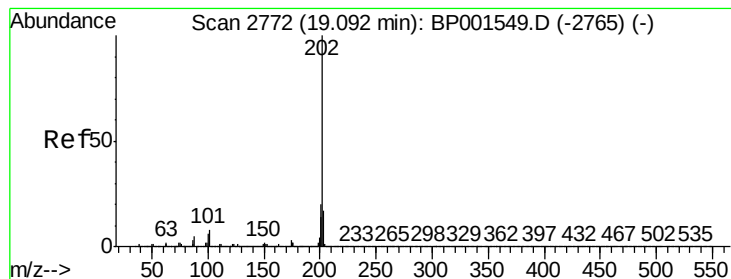


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.732 ng

RT: 19.06 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

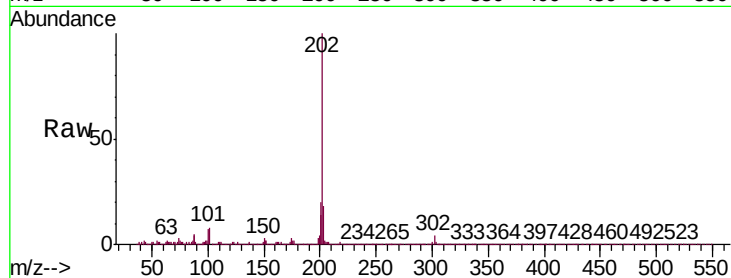
Instrument :

BNA_P

ClientSampleId :

SB-30-(3-5)

Tgt Ion:	202	Resp:	137723
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.4
203	18.3	0.0	37.4

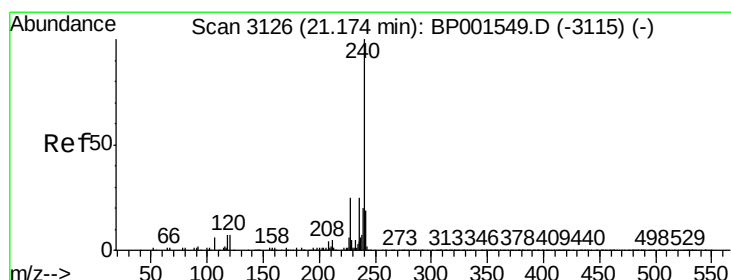
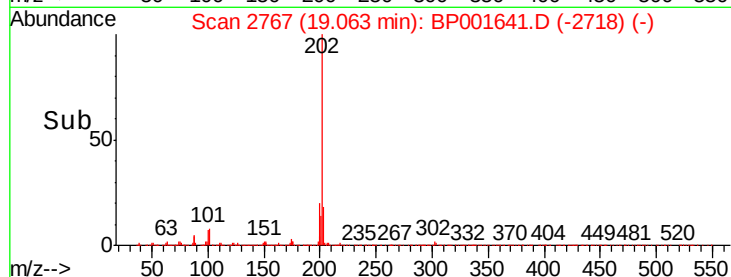
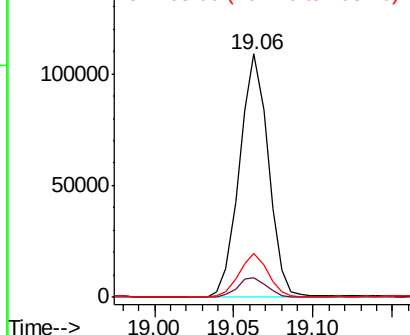


Abundance

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

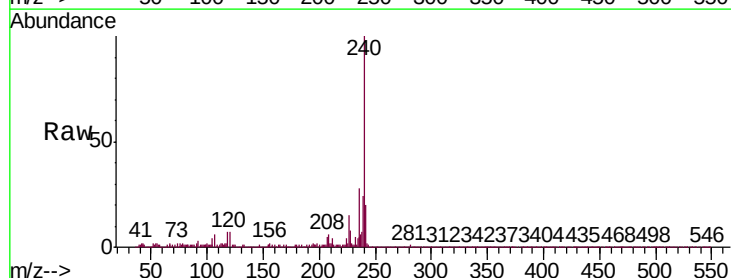
RT: 21.15 min Scan# 3121

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Tgt Ion:	240	Resp:	187767
Ion	Ratio	Lower	Upper
240	100		
120	7.2	5.7	8.5
236	27.7	20.4	30.6

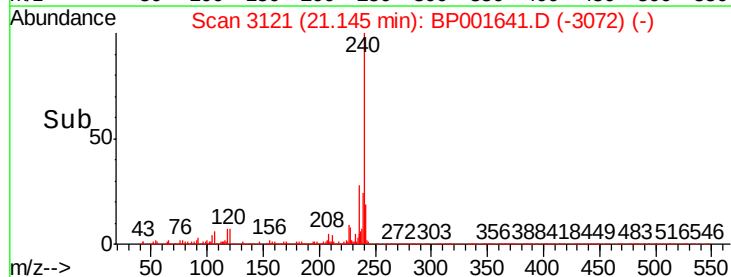
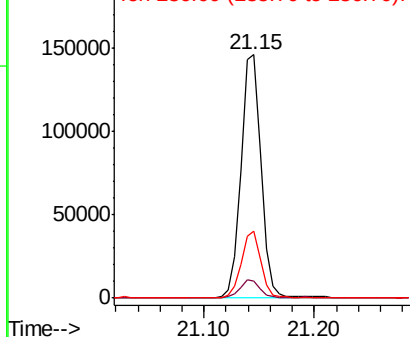


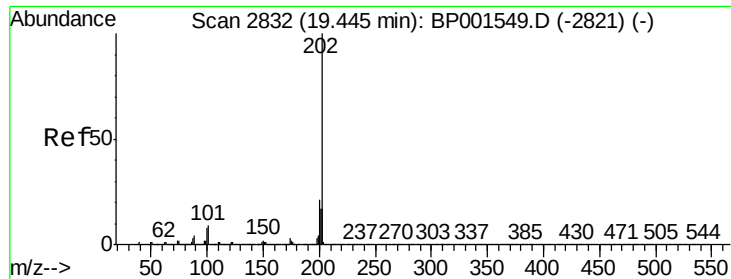
Abundance

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

Pyrene

Concen: 12.577 ng

RT: 19.42 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Instrument :

BNA_P

ClientSampleId :

SB-30-(3-5)

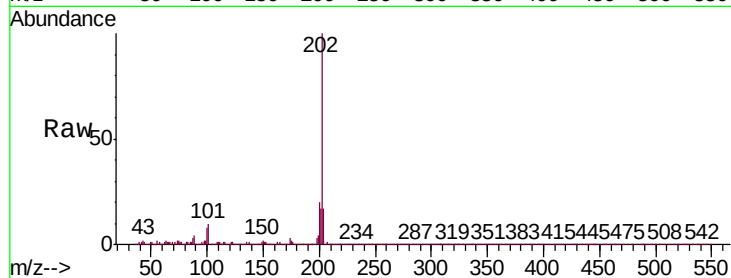
Tgt Ion:202 Resp: 173475

Ion Ratio Lower Upper

202 100

200 20.0 17.0 25.6

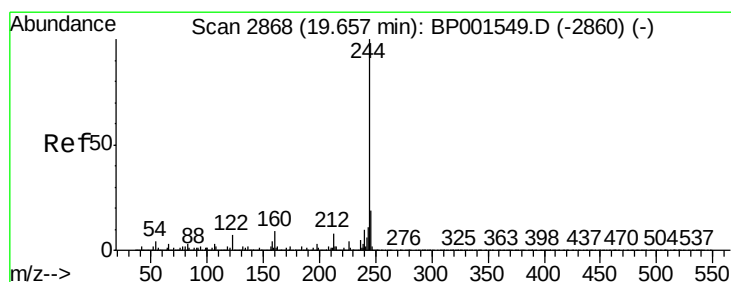
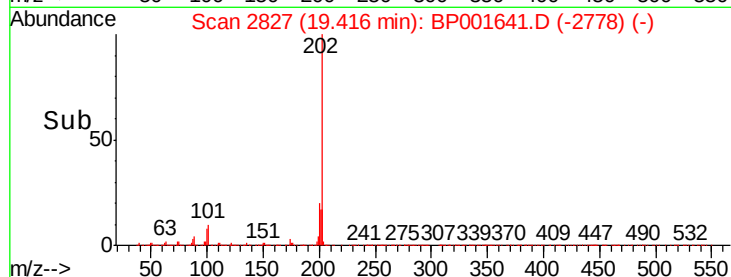
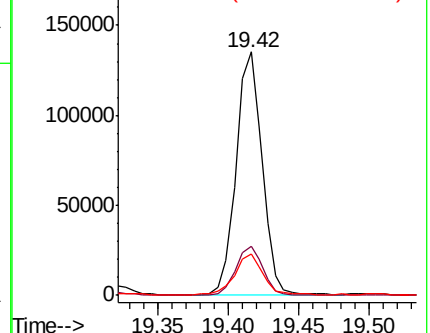
203 17.0 13.7 20.5



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: 61.661 ng

RT: 19.63 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

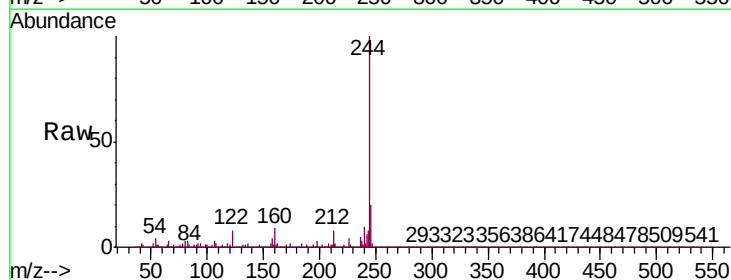
Tgt Ion:244 Resp: 633010

Ion Ratio Lower Upper

244 100

212 8.1 6.3 9.5

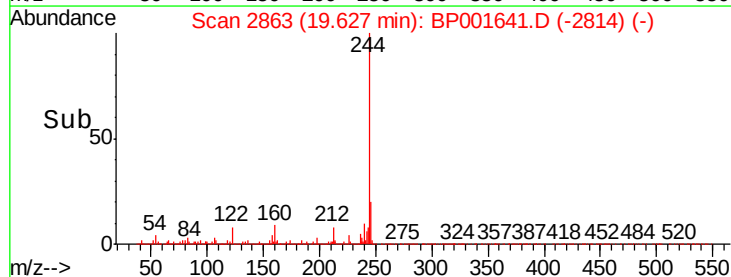
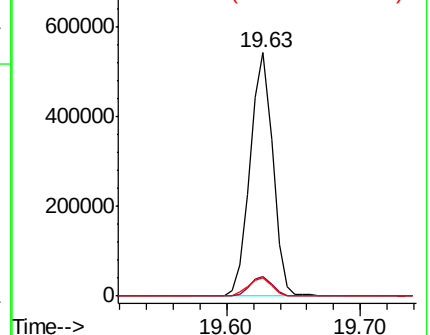
122 7.8 5.8 8.6

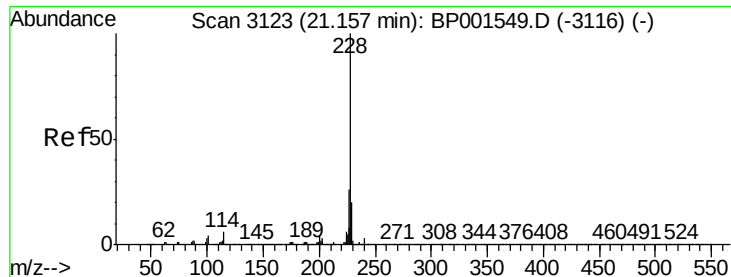


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

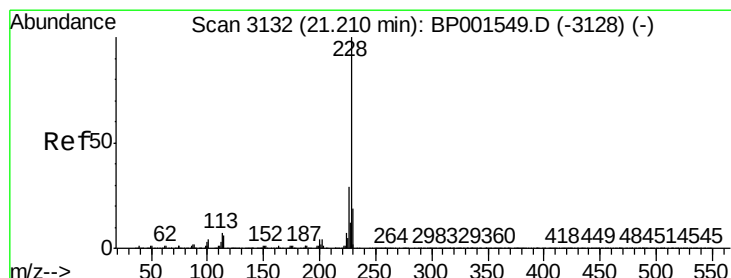
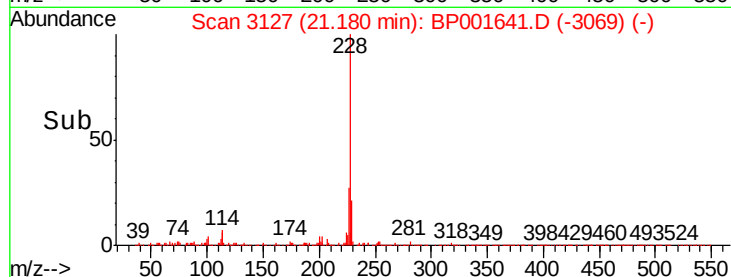
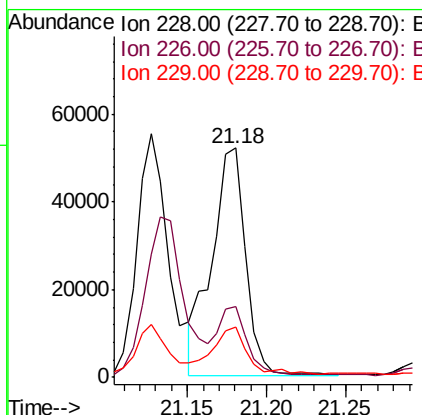
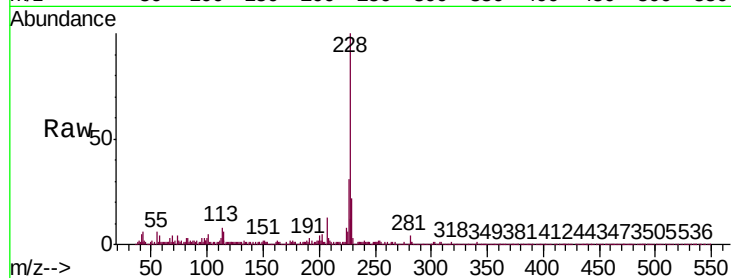




#81
Benzo(a)anthracene
Concen: 5.947 ng
RT: 21.18 min Scan# 3127
Delta R.T. 0.04 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

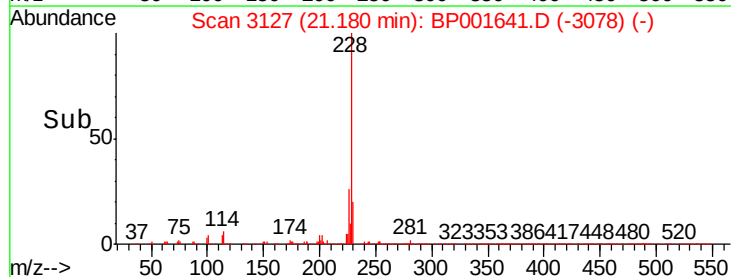
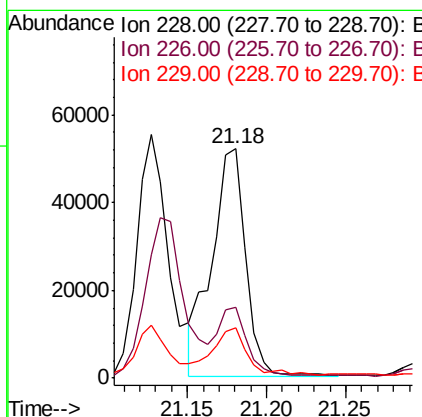
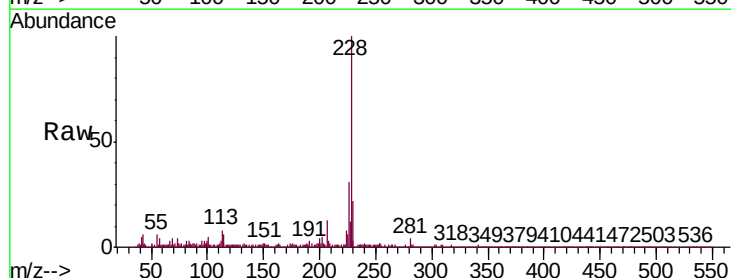
Instrument :
BNA_P
ClientSampleId :
SB-30-(3-5)

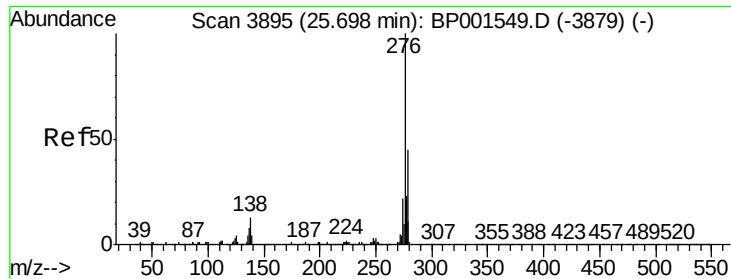
Tgt Ion:228 Resp: 77773
Ion Ratio Lower Upper
228 100
226 30.8 21.2 31.8
229 22.2 16.1 24.1



#83
Chrysene
Concen: 6.103 ng
RT: 21.18 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

Tgt Ion:228 Resp: 77773
Ion Ratio Lower Upper
228 100
226 30.8 23.2 34.8
229 22.2 15.2 22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.362 ng

RT: 25.62 min Scan# 3882

Delta R.T. -0.04 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Instrument :

BNA_P

ClientSampleId :

SB-30-(3-5)

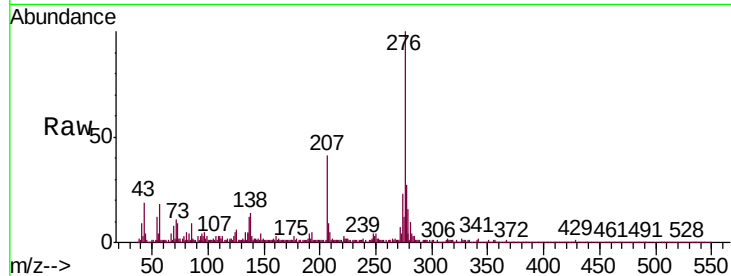
Tgt Ion:276 Resp: 79995

Ion Ratio Lower Upper

276 100

138 14.4 11.1 16.7

277 23.7 20.4 30.6

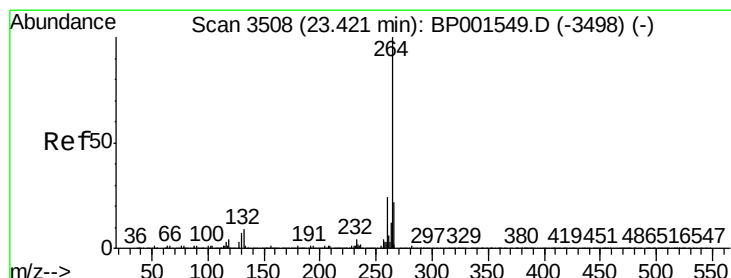
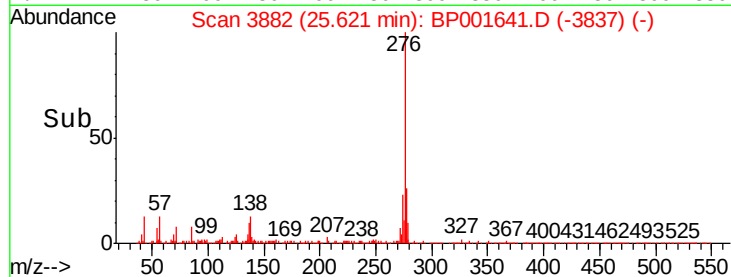
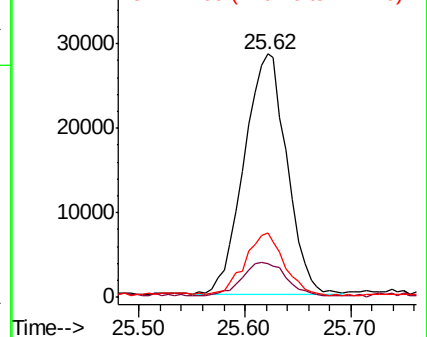


Abundance

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: 23.37 min Scan# 3500

Delta R.T. -0.02 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

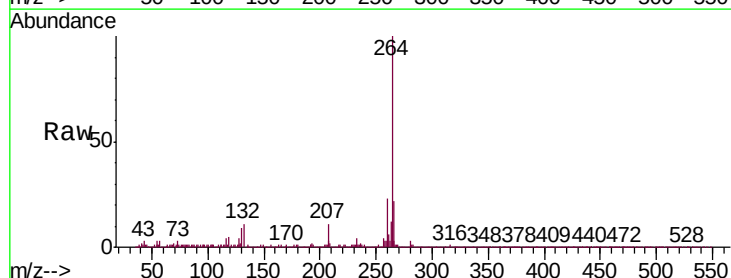
Tgt Ion:264 Resp: 191057

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 21.6 18.2 27.4

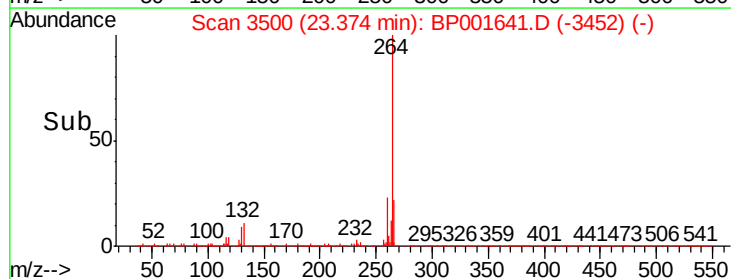
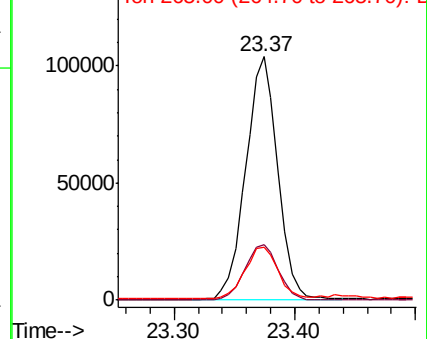


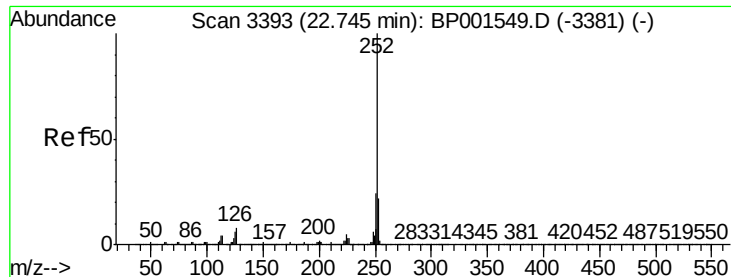
Abundance

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

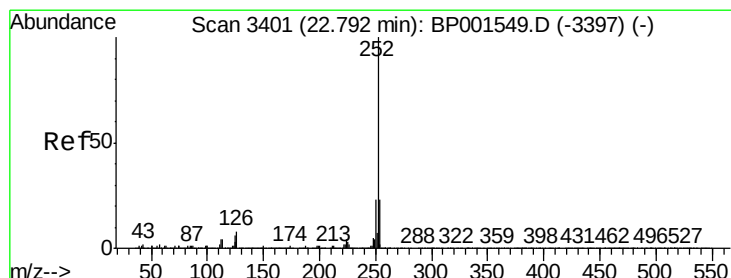
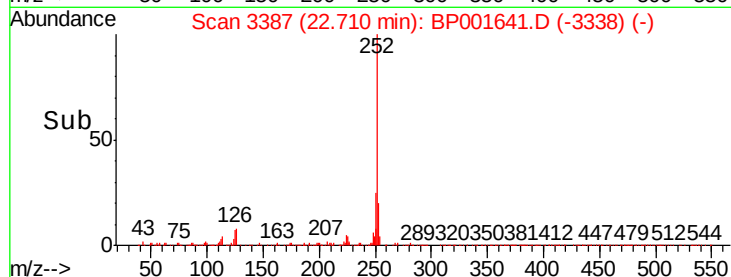
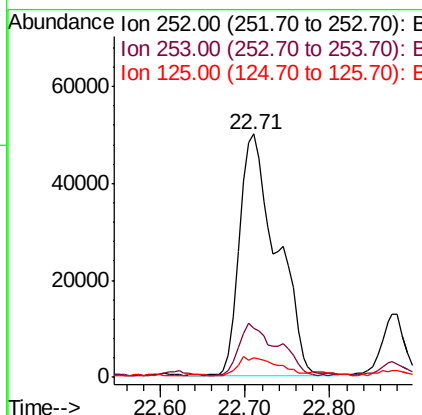
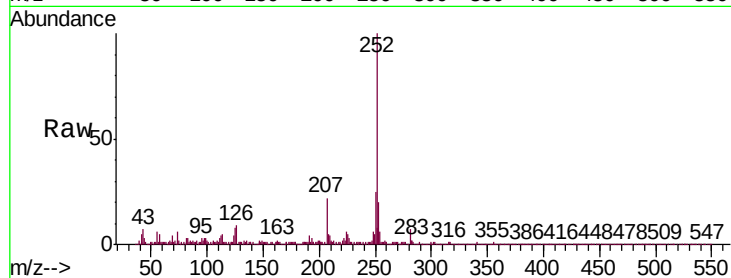




#88
Benzo(b)fluoranthene
Concen: 12.570 ng
RT: 22.71 min Scan# 3387
Delta R.T. -0.01 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

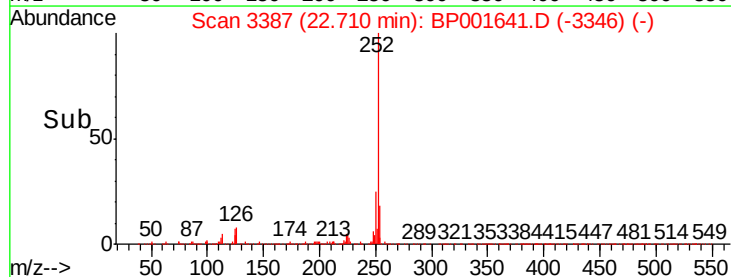
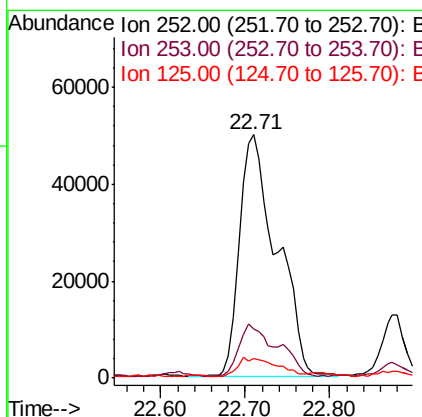
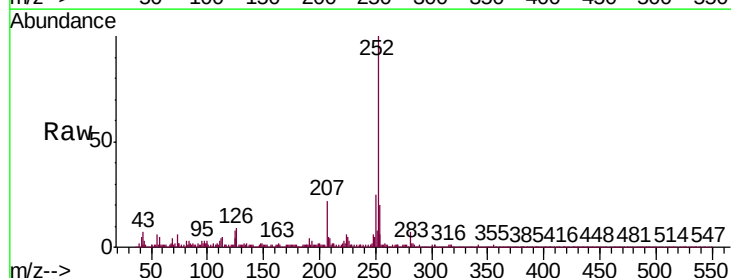
Instrument :
BNA_P
ClientSampleId :
SB-30-(3-5)

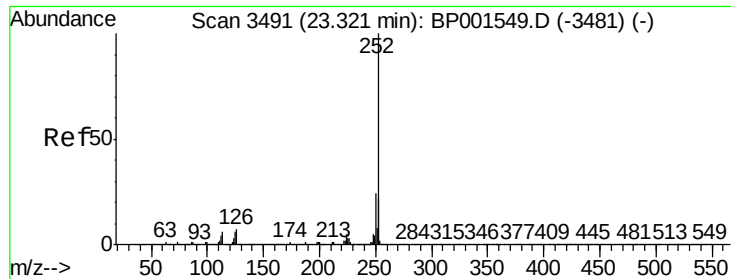
Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	17.6	26.4
125	7.9	4.6	7.0#



#89
Benzo(k)fluoranthene
Concen: 12.893 ng
RT: 22.71 min Scan# 3387
Delta R.T. -0.06 min
Lab File: BP001641.D
Acq: 16 Jan 2020 22:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.3	18.2	27.2
125	7.9	4.6	6.8#





#90

Benzo(a)pyrene

Concen: 7.739 ng

RT: 23.27 min Scan# 3483

Delta R.T. -0.02 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

Instrument :

BNA_P

ClientSampleId :

SB-30-(3-5)

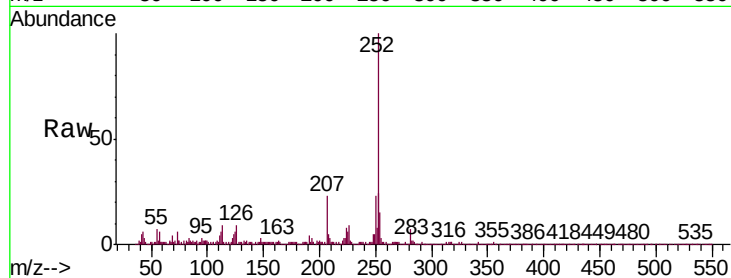
Tgt Ion:252 Resp: 88460

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

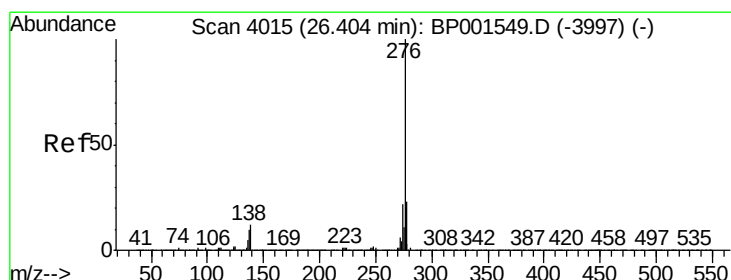
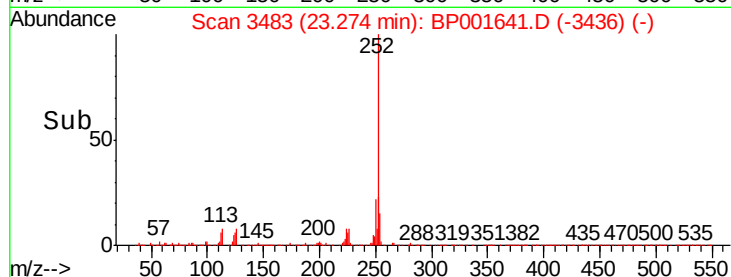
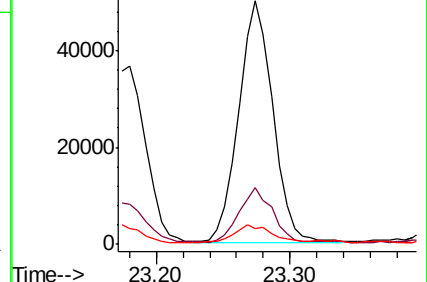
125 6.3 5.0 7.4



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: 7.696 ng

RT: 26.30 min Scan# 3997

Delta R.T. -0.04 min

Lab File: BP001641.D

Acq: 16 Jan 2020 22:38

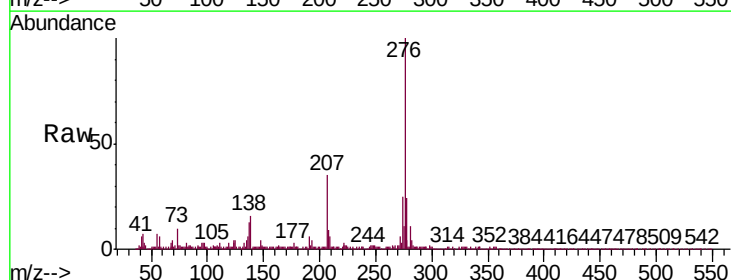
Tgt Ion:276 Resp: 90232

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 15.9 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

