

Data File : BP001542.D
Acq On : 06 Jan 2020 22:08
Operator : JU
Sample : L1009-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
NB-08-010220

Quant Time: Jan 07 02:58:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 06 16:38:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	54299	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	204950	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	133221	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	282210	20.00	ng	0.00
76) Chrysene-d12	21.18	240	224131	20.00	ng	0.00
87) Perylene-d12	23.43	264	235115	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	271791	84.09	ng	0.00
7) Phenol-d6	6.89	99	395102	90.76	ng	0.00
23) Nitrobenzene-d5	8.83	82	271058	65.32	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	159655	105.89	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	557103	61.49	ng	0.00
79) Terphenyl-d14	19.67	244	720055	64.02	ng	0.00

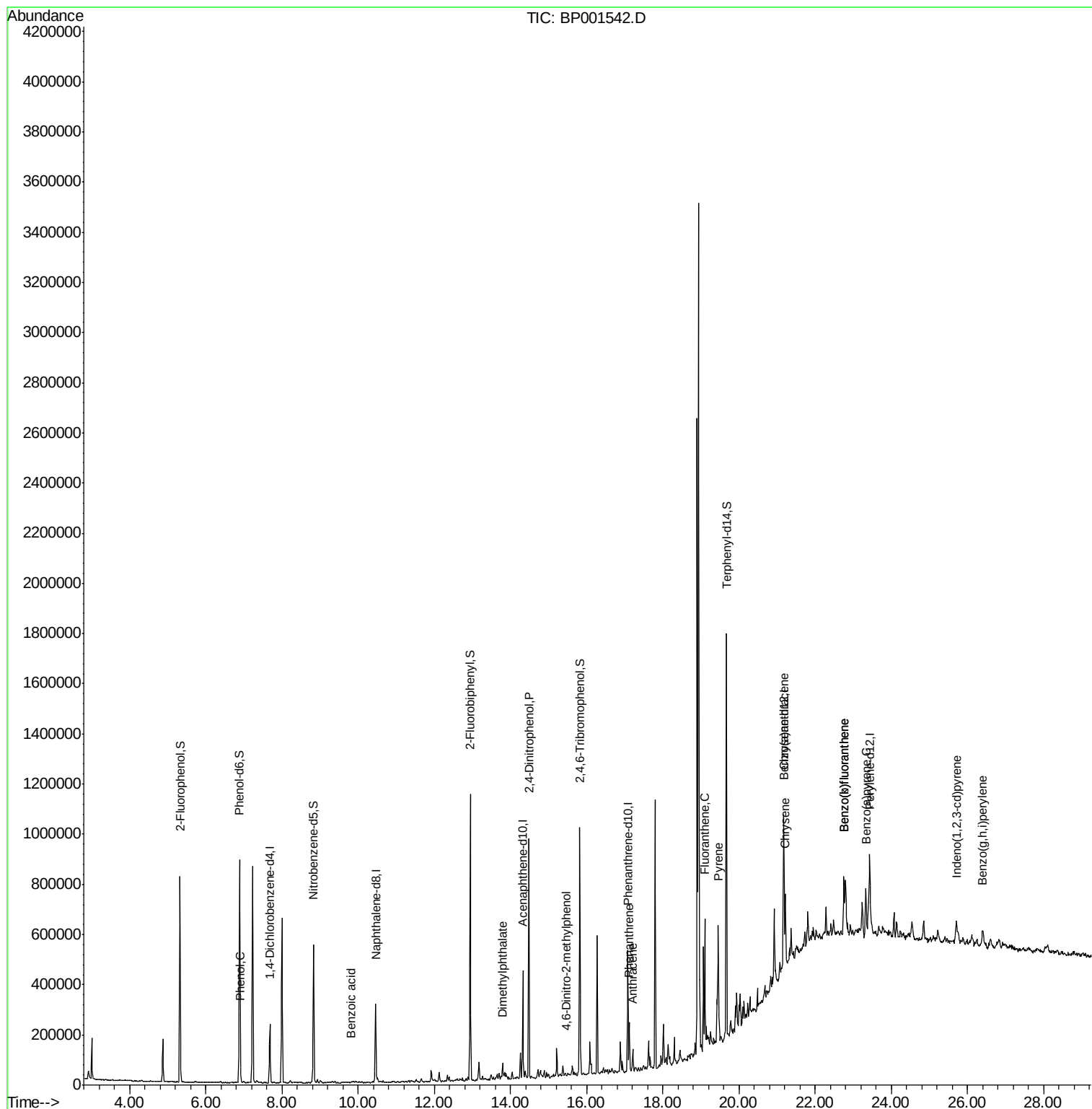
Target Compounds				Qvalue		
9) Benzaldehyde	6.83	77	203	Below Cal	#	61
10) Phenol	6.91	94	11438	2.498	ng	96
32) Benzoic acid	9.82	122	48	7.790	ng	# 1
50) Dimethylphthalate	13.79	163	30947	2.972	ng	98
54) 2,4-Dinitrophenol	14.49	184	2698	9.372	ng	# 24
65) 4,6-Dinitro-2-methylphenol	15.46	198	18	5.884	ng	# 1
71) Phenanthrene	17.12	178	110255	7.203	ng	100
72) Anthracene	17.21	178	43677	2.879	ng	100
75) Fluoranthene	19.10	202	294992	15.920	ng	99
78) Pyrene	19.46	202	292925	18.010	ng	99
81) Benzo(a)anthracene	21.17	228	186710	11.872	ng	95
83) Chrysene	21.22	228	163009	10.810	ng	97
86) Indeno(1,2,3-cd)pyrene	25.70	276	83694	4.560	ng	97
88) Benzo(b)fluoranthene	22.76	252	199669	13.716	ng	# 95
89) Benzo(k)fluoranthene	22.76	252	199669	14.318	ng	97
90) Benzo(a)pyrene	23.33	252	146456	10.747	ng	# 95
92) Benzo(g,h,i)perylene	26.39	276	76401	5.656	ng	99

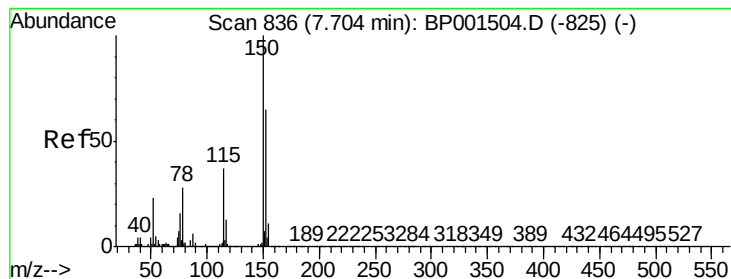
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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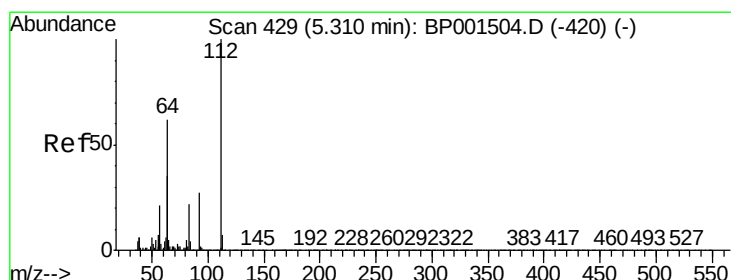
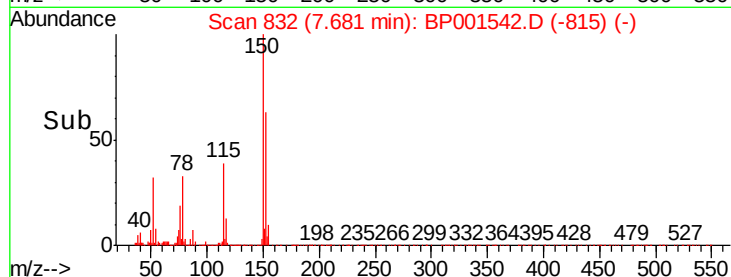
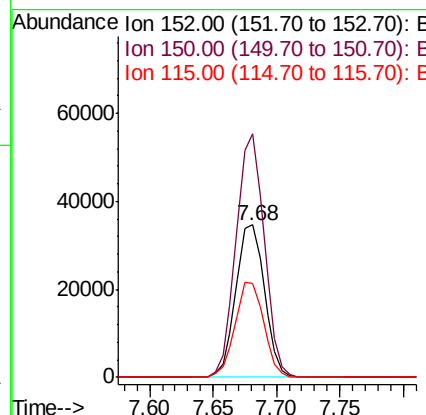
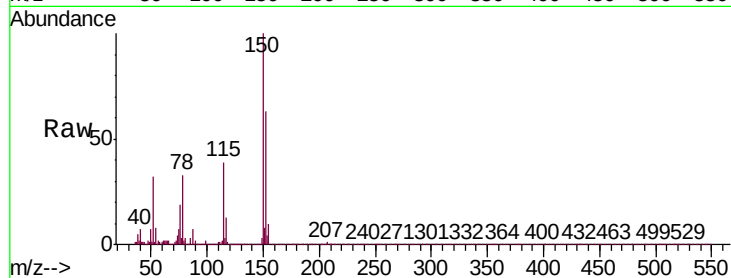


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. -0.00 min
Lab File: BP001542.D
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BNA_P
ClientSampleId :
NB-08-010220

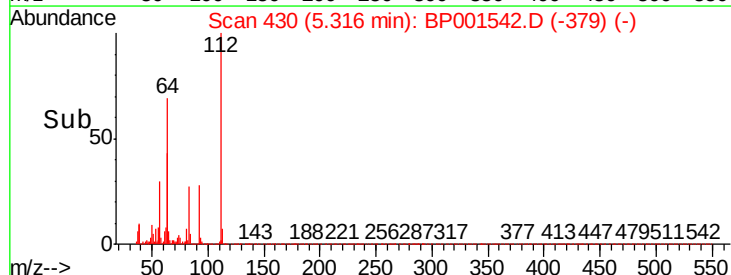
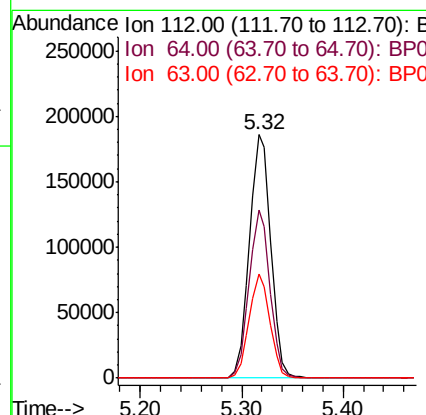
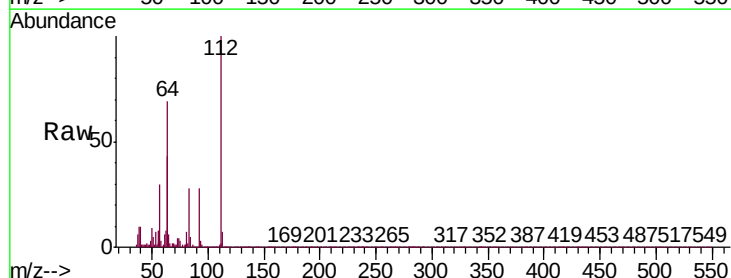
Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.0	117.9	176.9
115	61.8	50.3	75.5

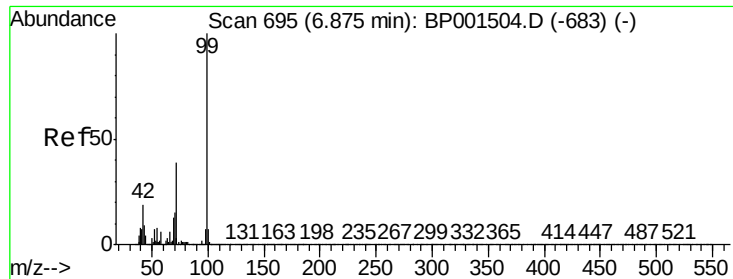


#5

2-Fluorophenol
Concen: 84.092 ng
RT: 5.32 min Scan# 430
Delta R.T. -0.00 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.2	52.6	79.0
63	42.6	32.6	48.8





#7

Phenol-d6

Concen: 90.759 ng

RT: 6.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

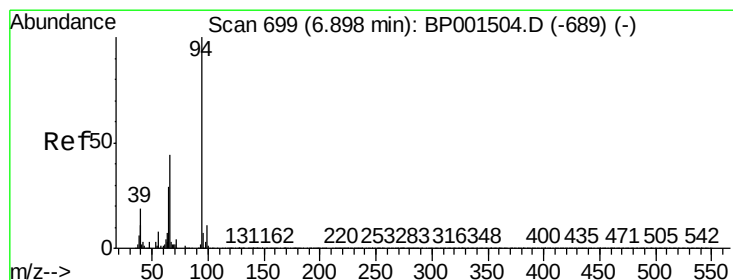
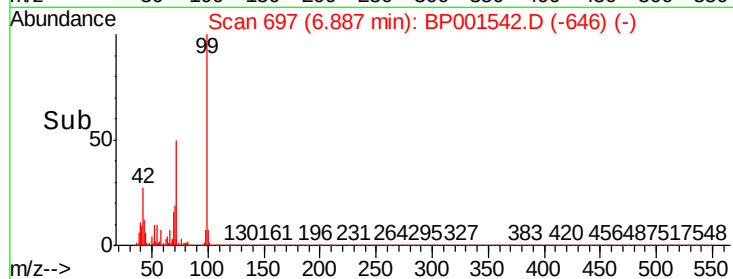
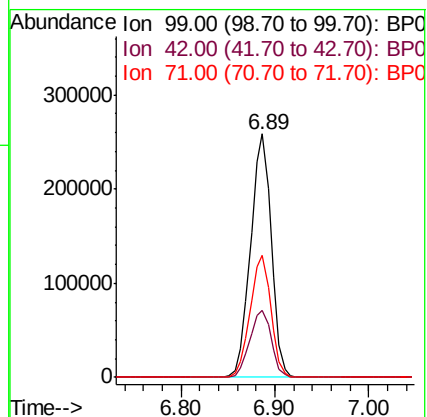
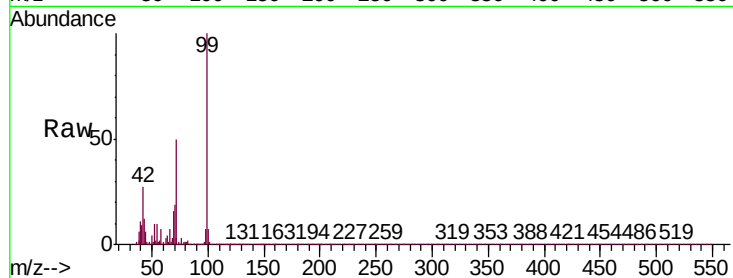
Tgt Ion: 99 Resp: 395102

Ion Ratio Lower Upper

99 100

42 27.3 21.2 31.8

71 50.1 40.0 60.0



#10

Phenol

Concen: 2.498 ng

RT: 6.91 min Scan# 701

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

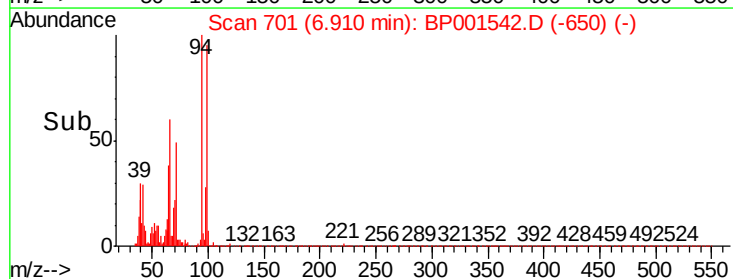
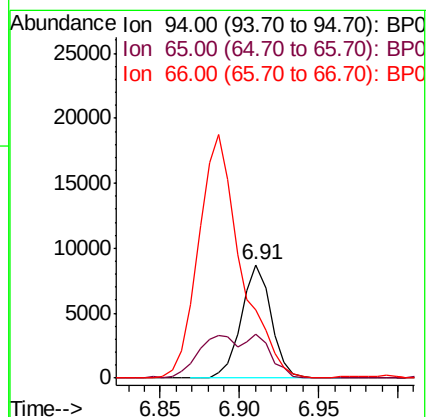
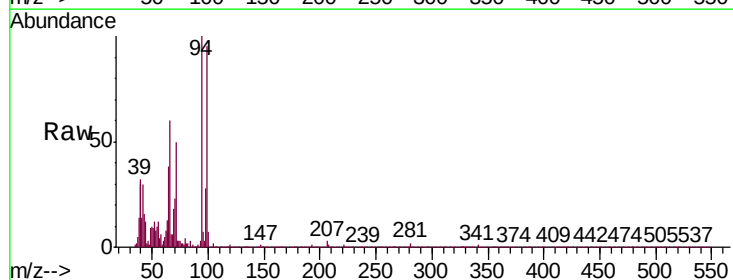
Tgt Ion: 94 Resp: 11438

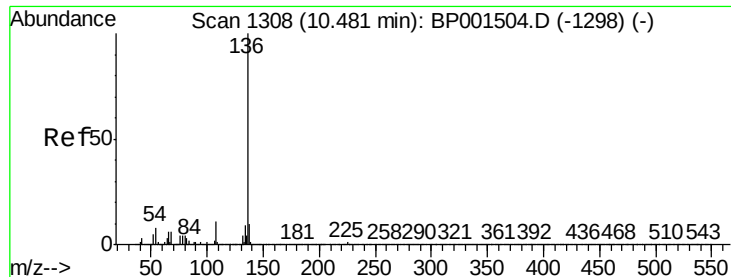
Ion Ratio Lower Upper

94 100

65 38.2 15.7 55.7

66 60.4 37.8 77.8

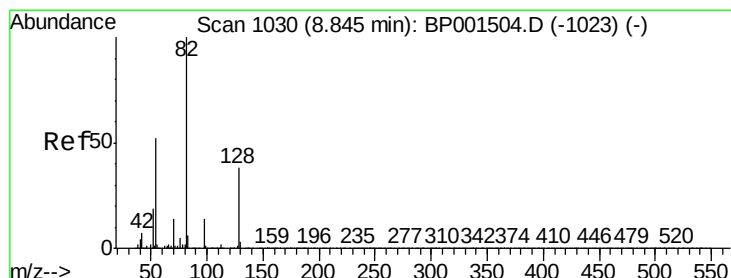
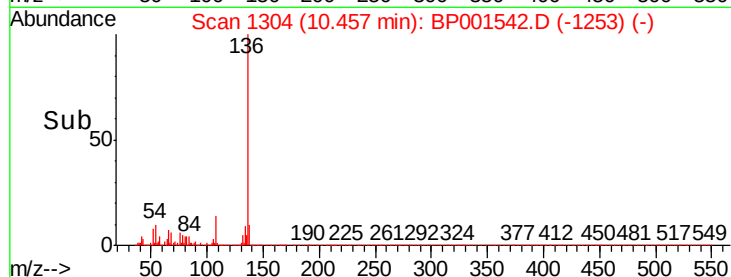
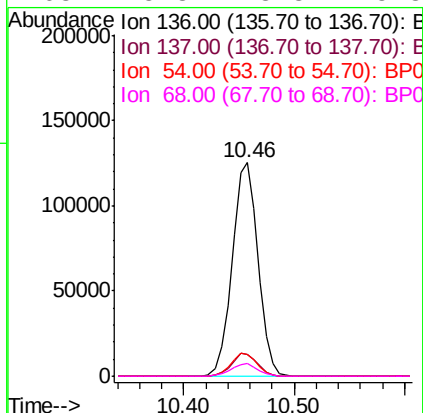
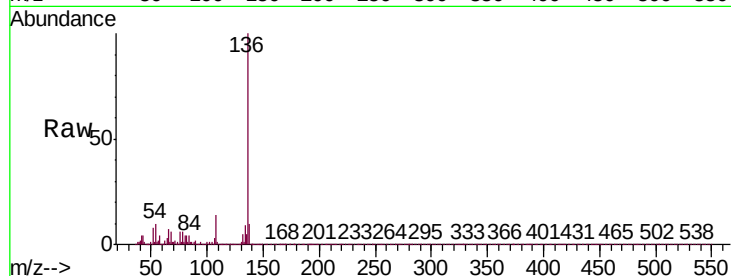




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.00 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

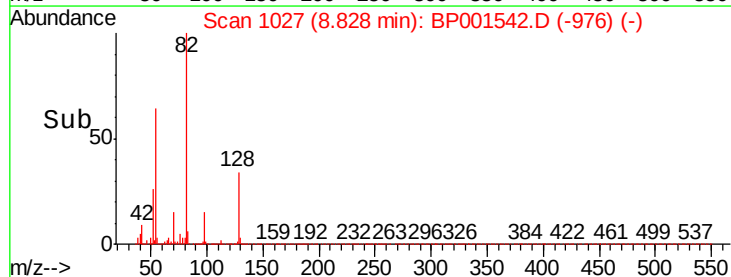
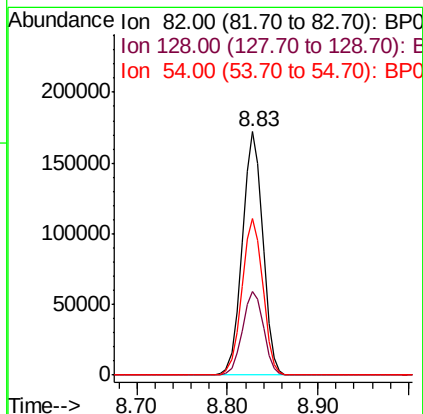
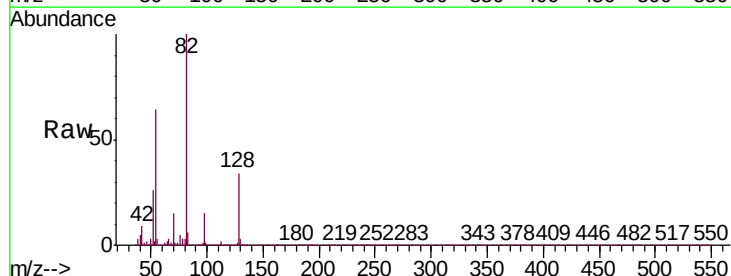
Instrument :
BNA_P
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NB-08-010220

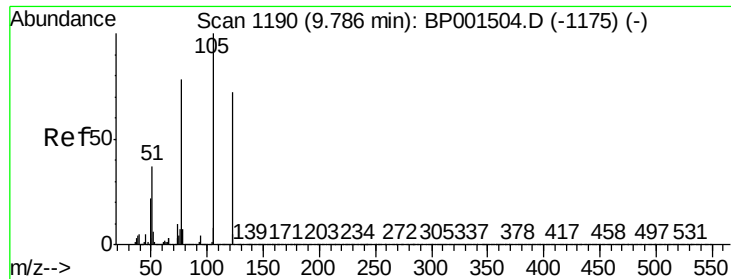
Tgt Ion:	136	Resp:	204950
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.4	12.6
54	10.5	8.4	12.6
68	5.8	3.8	5.8#



#23
Nitrobenzene-d5
Concen: 65.324 ng
RT: 8.83 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

Tgt Ion:	82	Resp:	271058
Ion Ratio	Lower	Upper	
82	100		
128	34.3	26.9	40.3
54	64.3	51.8	77.8

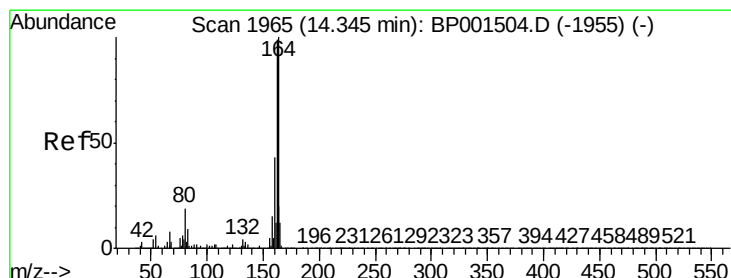
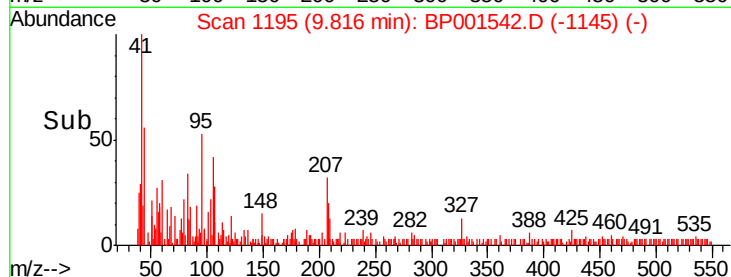
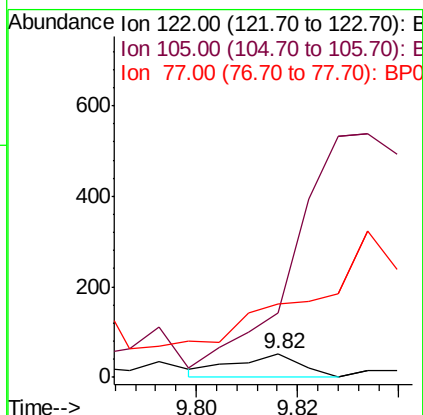
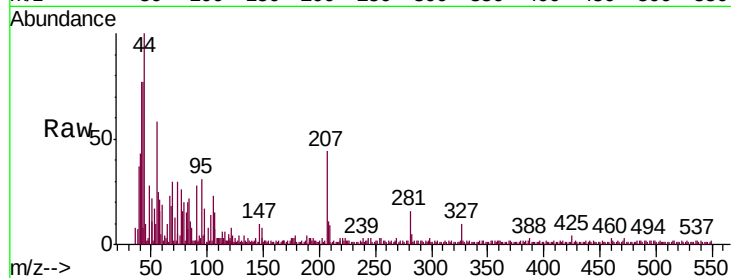




#32
Benzoic acid
Concen: 7.790 ng
RT: 9.82 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

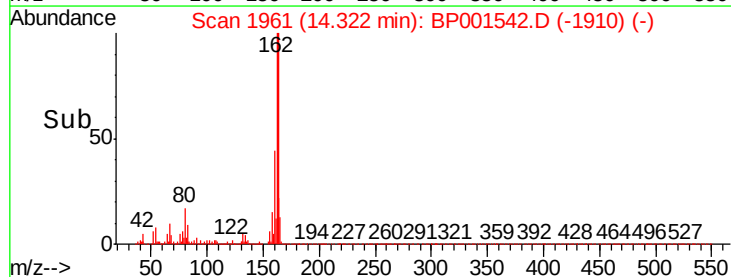
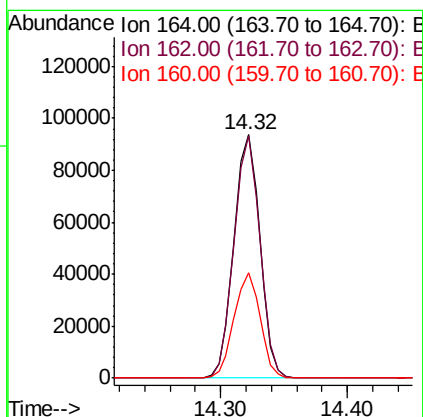
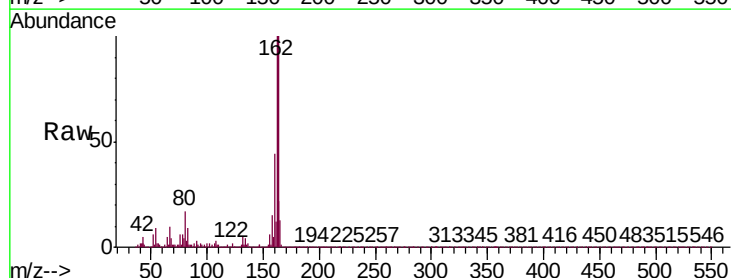
Instrument :
BNA_P
ClientSampleId :
NB-08-010220

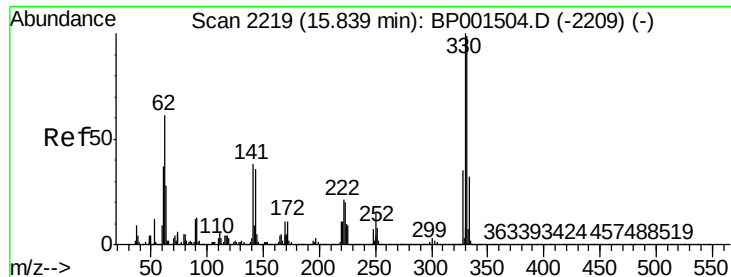
Tgt Ion	Ratio	Lower	Upper
122	100		
105	275.0	111.0	151.0#
77	311.5	96.4	136.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.0	118.4
160	43.5	34.1	51.1

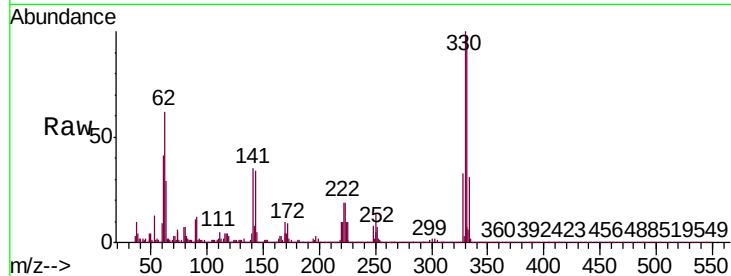




#42
 2,4,6-Tribromophenol
 Concen: 105.889 ng
 RT: 15.82 min Scan# 2216
 Delta R.T. -0.00 min
 Lab File: BP001542.D
 Acq: 06 Jan 2020 22:08

Instrument :
 BNA_P
 ClientSampleId :
 NB-08-010220

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.0	117.0
141	35.7	28.7	43.1

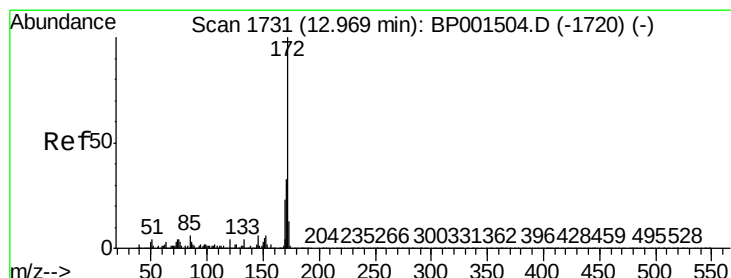
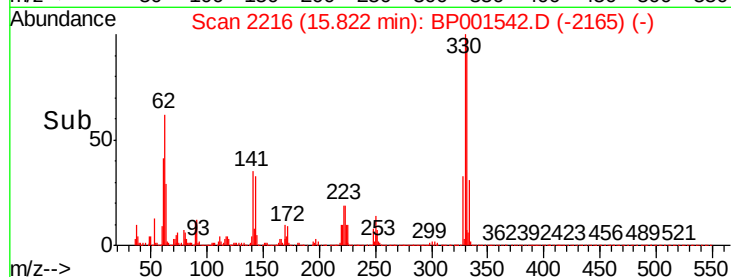
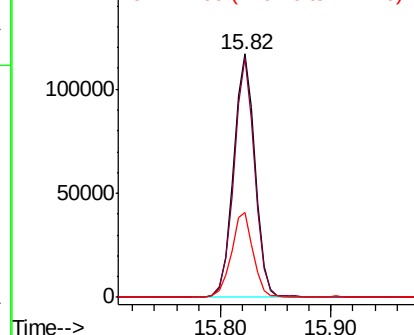


Abundance

Ion 329.80 (329.50 to 330.50): E

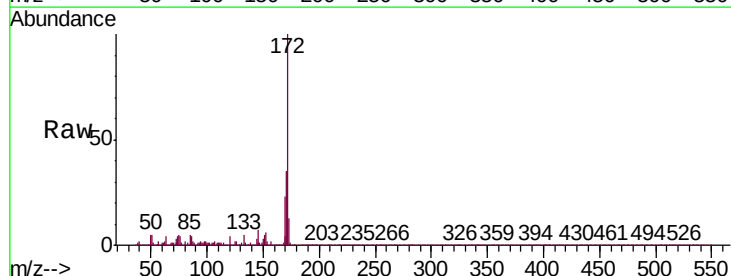
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.489 ng
 RT: 12.94 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BP001542.D
 Acq: 06 Jan 2020 22:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.0	42.0
170	23.2	18.6	27.8

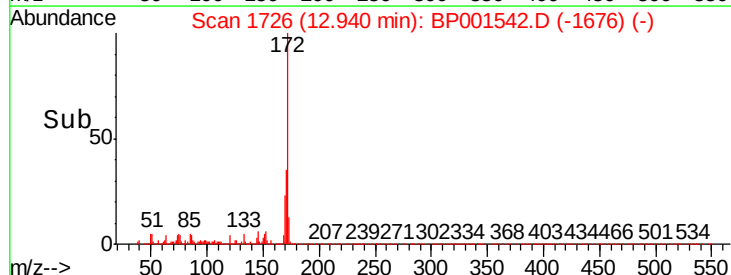
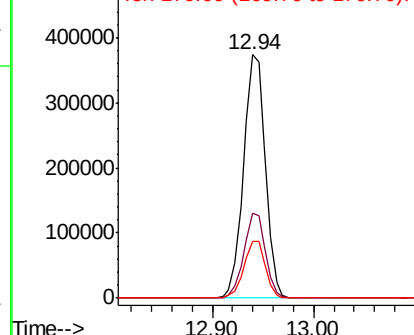


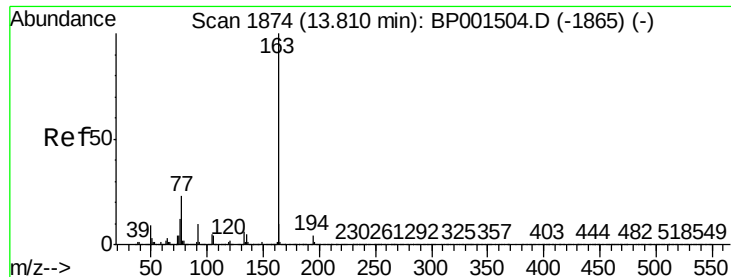
Abundance

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: 2.972 ng

RT: 13.79 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

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NB-08-010220

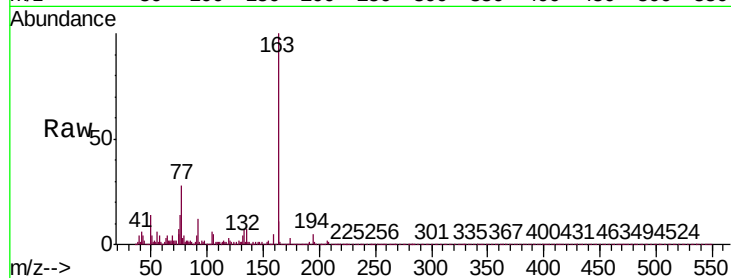
Tgt Ion:163 Resp: 30947

Ion Ratio Lower Upper

163 100

194 5.0 3.5 5.3

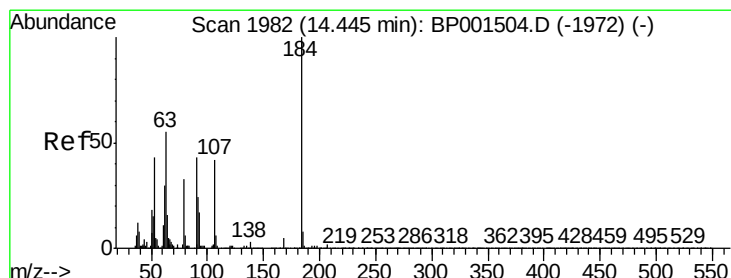
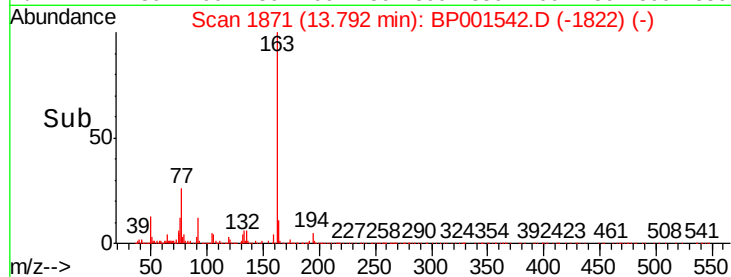
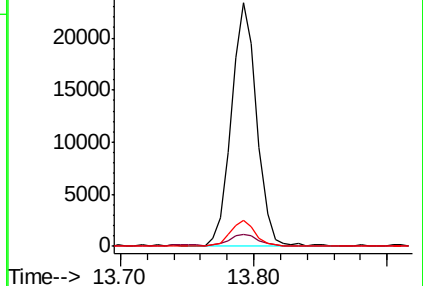
164 10.8 7.9 11.9



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: 9.372 ng

RT: 14.49 min Scan# 1989

Delta R.T. 0.05 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

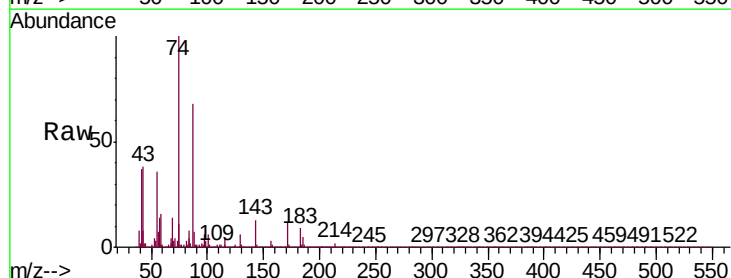
Tgt Ion:184 Resp: 2698

Ion Ratio Lower Upper

184 100

63 16.2 61.7 92.5#

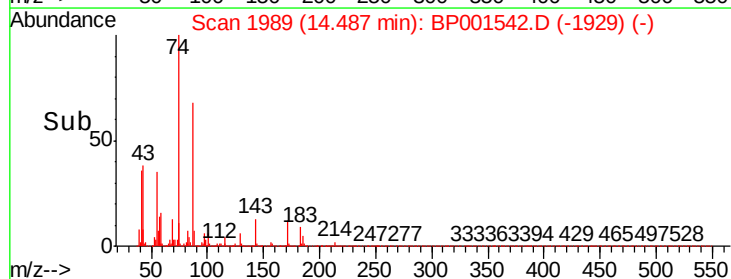
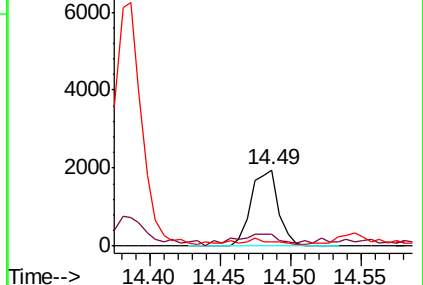
154 5.1 58.9 88.3#

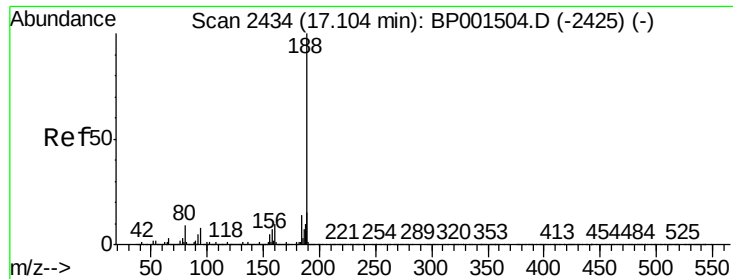


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

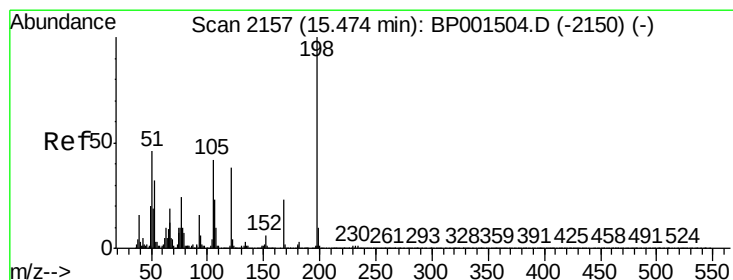
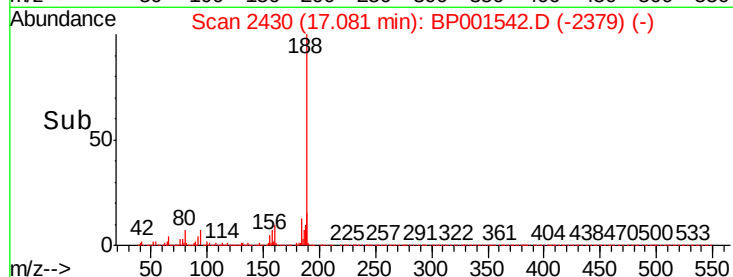
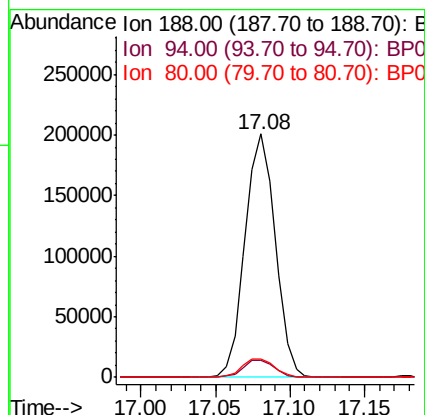
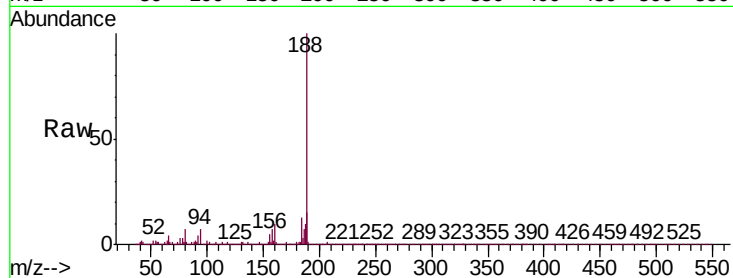




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

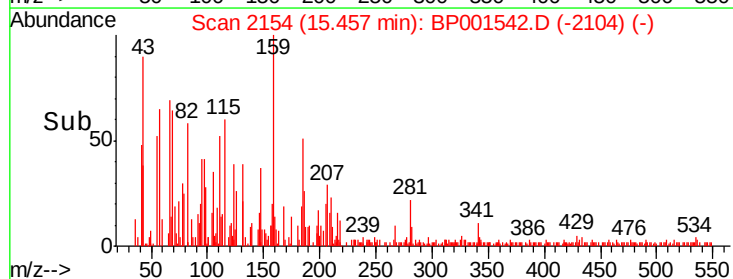
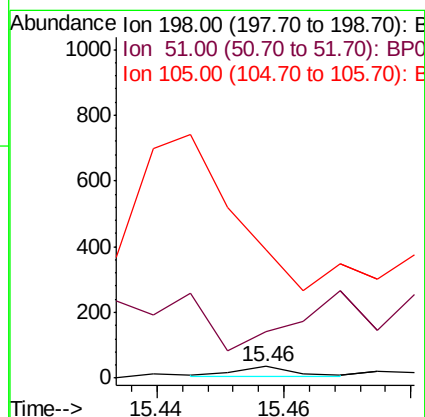
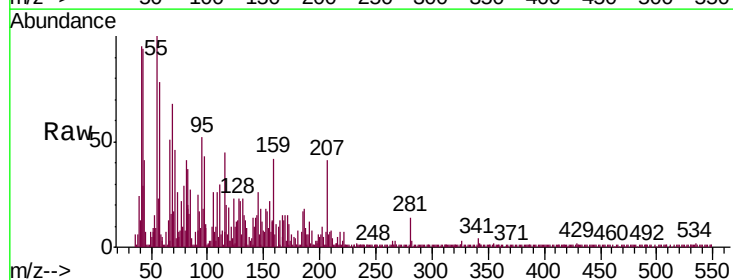
Instrument :
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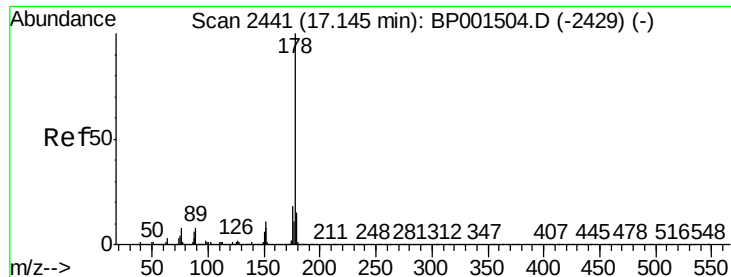
Tgt Ion:188 Resp: 282210
Ion Ratio Lower Upper
188 100
94 7.0 5.4 8.0
80 7.5 6.3 9.5



#65
4,6-Dinitro-2-methylphenol
Concen: 5.884 ng
RT: 15.46 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BP001542.D
Acq: 06 Jan 2020 22:08

Tgt Ion:198 Resp: 18
Ion Ratio Lower Upper
198 100
51 391.7 35.4 75.4#
105 1088.9 18.3 58.3#





#71

Phenanthrene

Concen: 7.203 ng

RT: 17.12 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

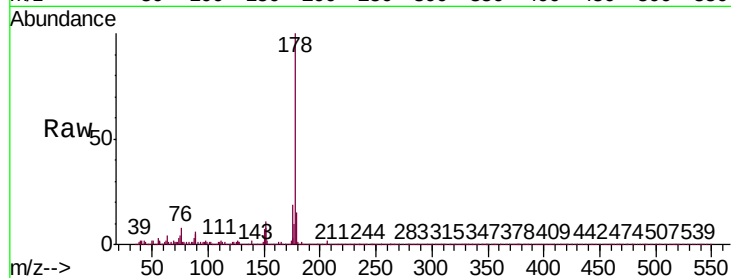
Tgt Ion:178 Resp: 110255

Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

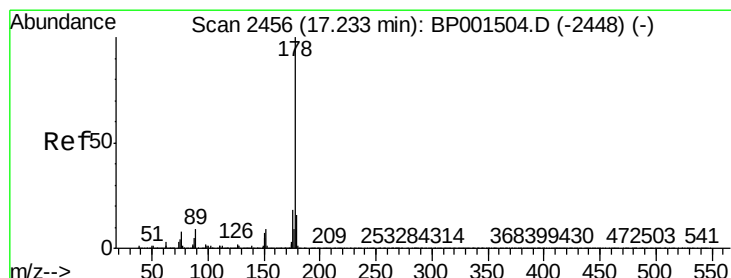
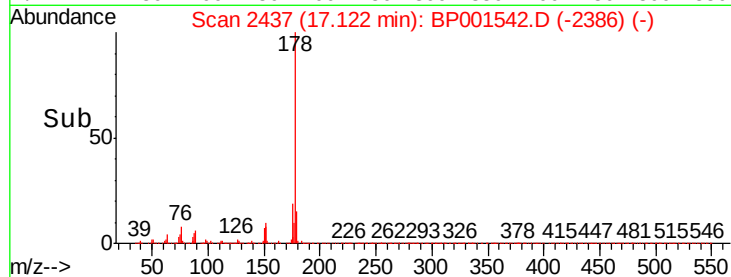
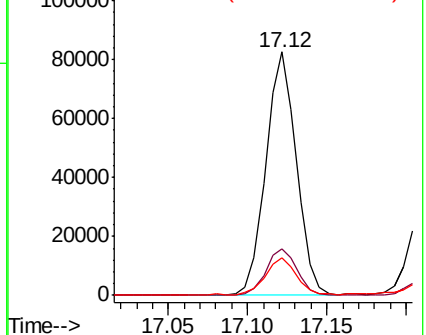
179 15.3 12.2 18.4



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



#72

Anthracene

Concen: 2.879 ng

RT: 17.21 min Scan# 2452

Delta R.T. -0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

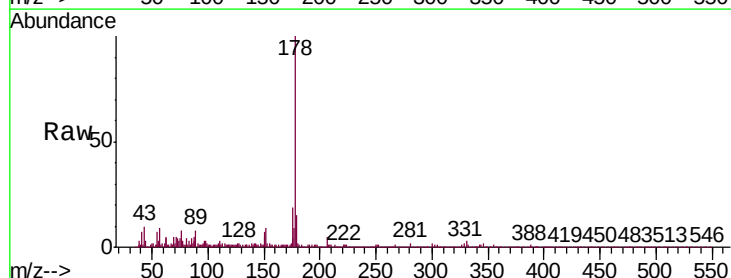
Tgt Ion:178 Resp: 43677

Ion Ratio Lower Upper

178 100

176 18.6 14.7 22.1

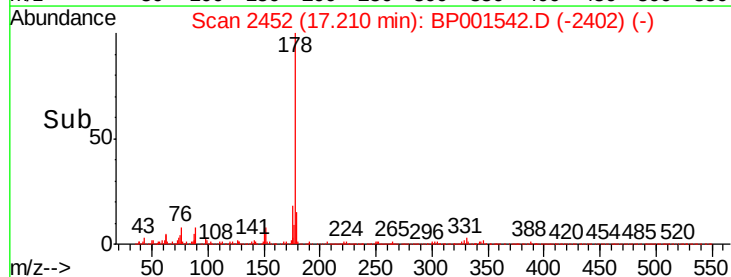
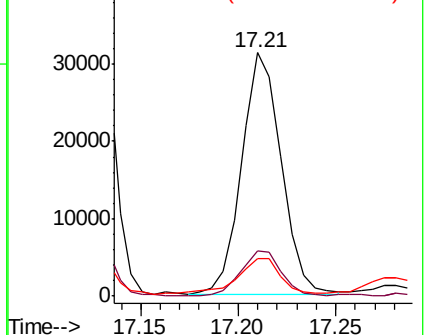
179 15.2 12.2 18.2

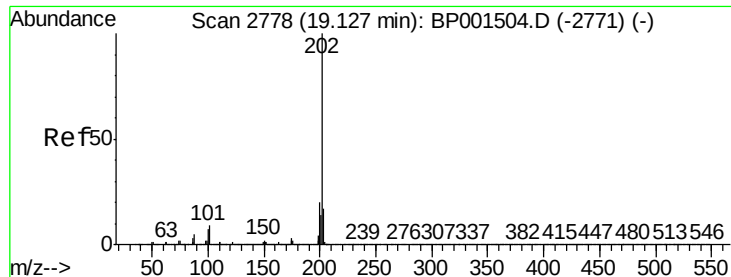


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 15.920 ng

RT: 19.10 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

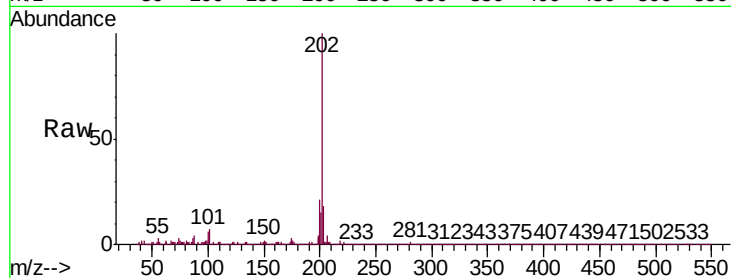
Instrument :

BNA_P

ClientSampleId :

NB-08-010220

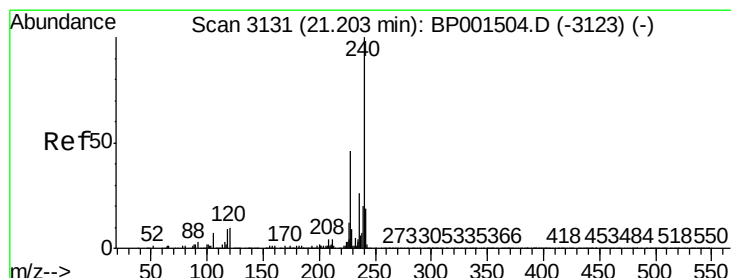
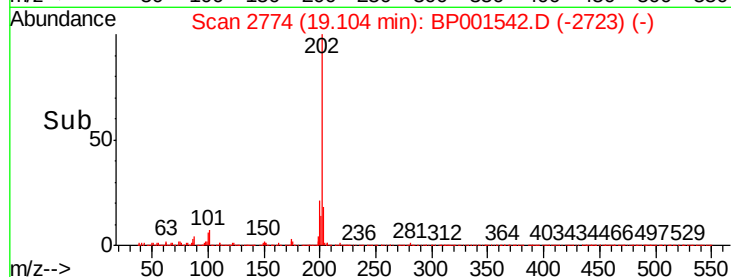
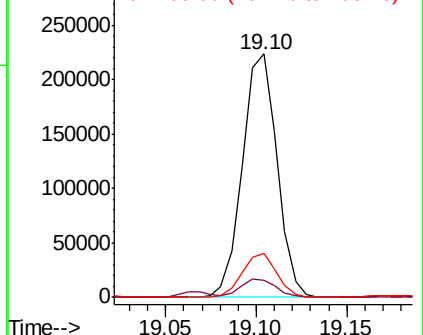
Tgt Ion:	202	Resp:	294992
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	27.1
203	17.9	0.0	37.6



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

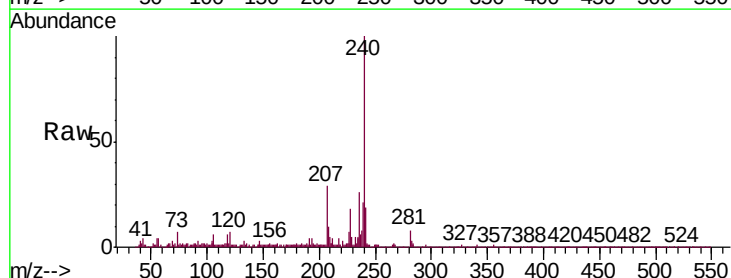
RT: 21.18 min Scan# 3127

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

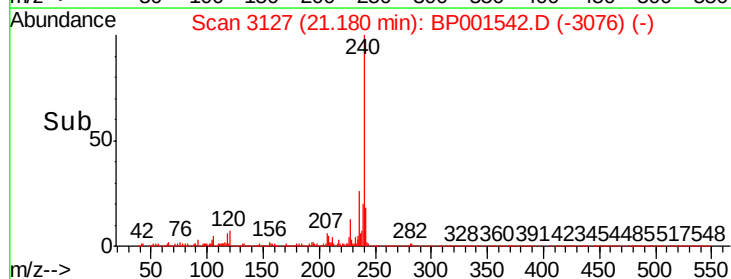
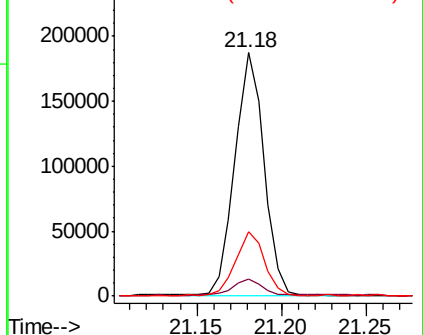
Tgt Ion:	240	Resp:	224131
Ion Ratio	Lower	Upper	
240	100		
120	6.8	5.2	7.8
236	26.3	21.4	32.2

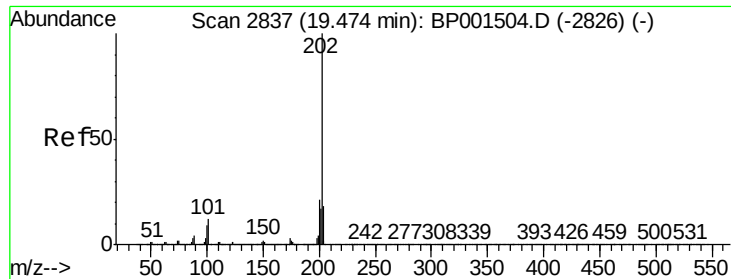


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 18.010 ng

RT: 19.46 min Scan# 2834

Delta R.T. 0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

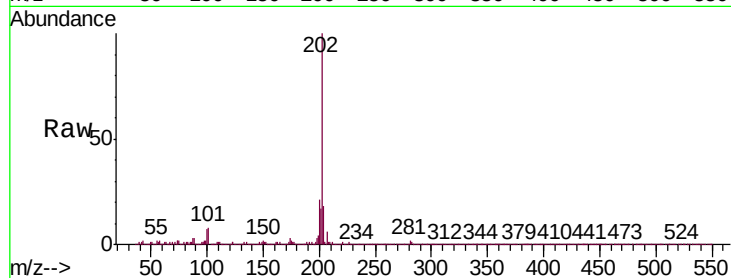
Tgt Ion:202 Resp: 292925

Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.4

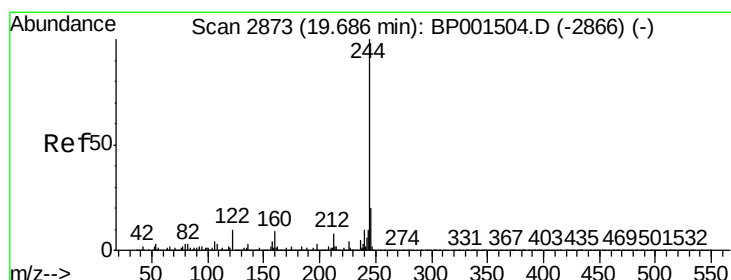
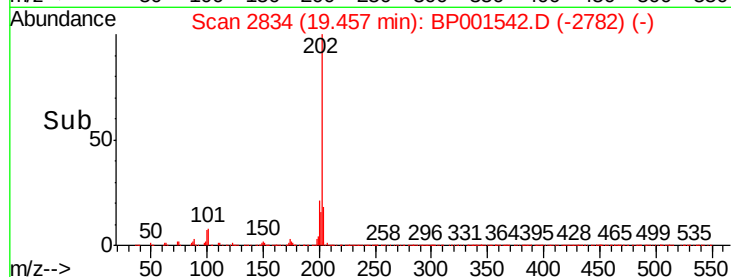
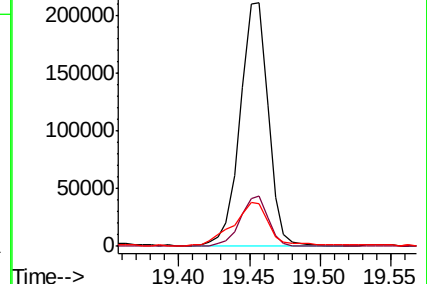
203 17.8 13.6 20.4



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: 64.024 ng

RT: 19.67 min Scan# 2870

Delta R.T. 0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

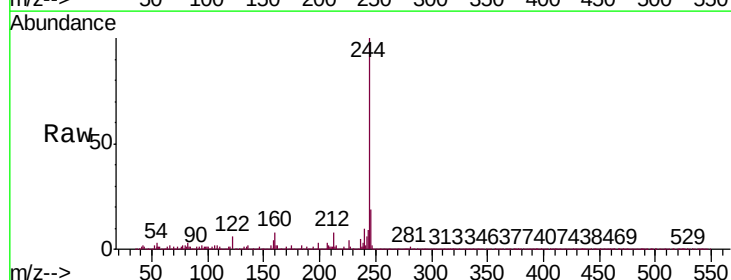
Tgt Ion:244 Resp: 720055

Ion Ratio Lower Upper

244 100

212 8.0 6.7 10.1

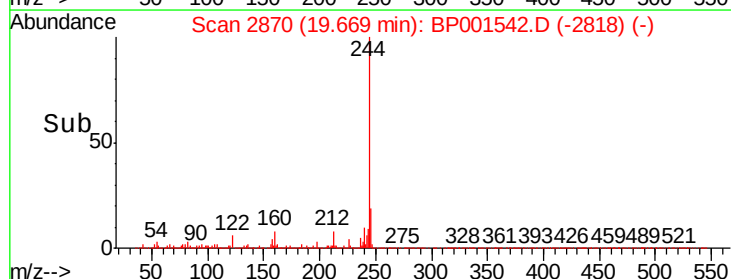
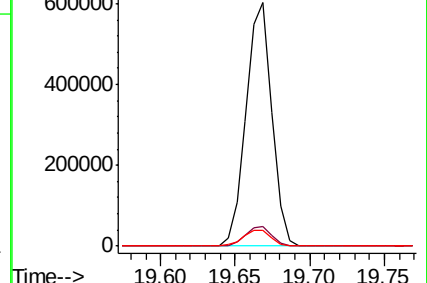
122 6.4 6.0 9.0

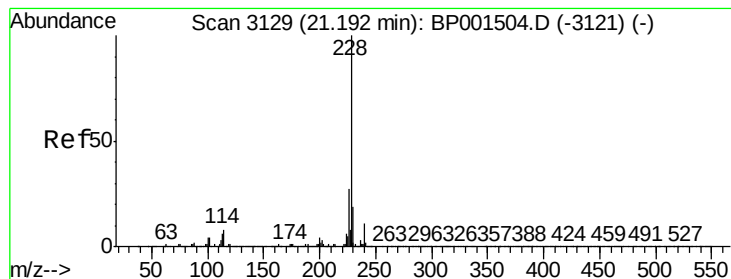


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 11.872 ng

RT: 21.17 min Scan# 3125

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

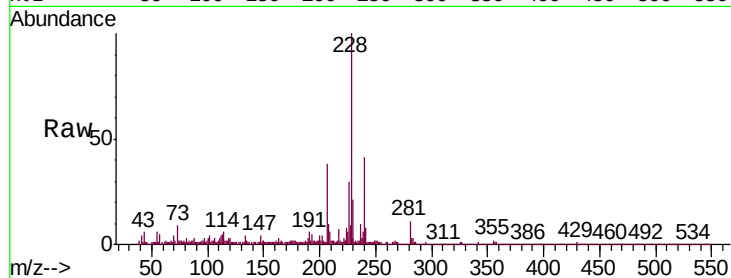
Tgt Ion:228 Resp: 186710

Ion Ratio Lower Upper

228 100

226 29.9 21.4 32.2

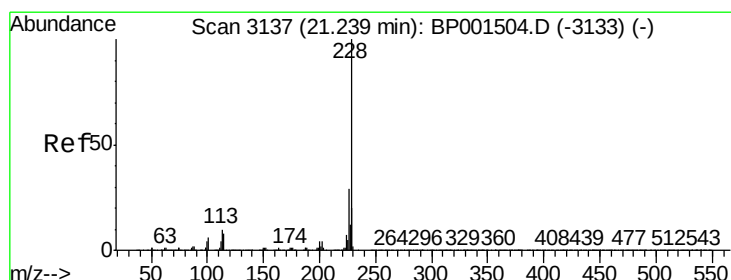
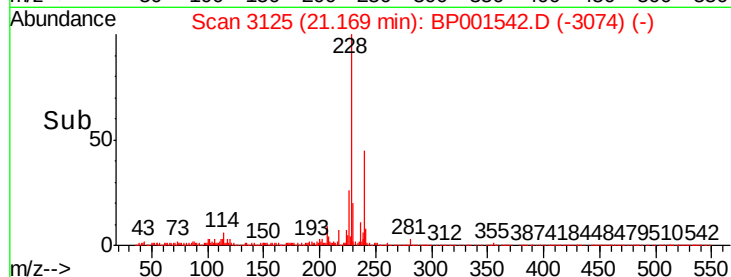
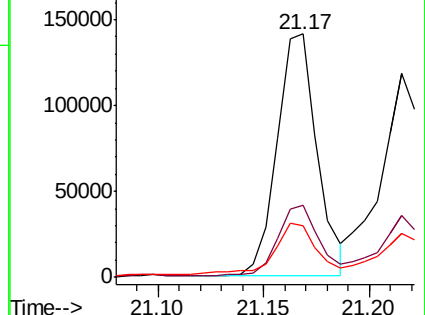
229 21.0 15.5 23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 10.810 ng

RT: 21.22 min Scan# 3133

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

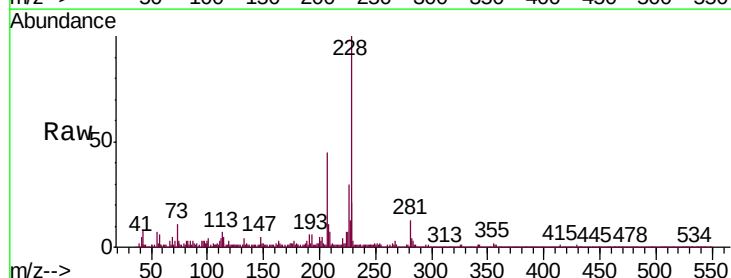
Tgt Ion:228 Resp: 163009

Ion Ratio Lower Upper

228 100

226 30.4 23.1 34.7

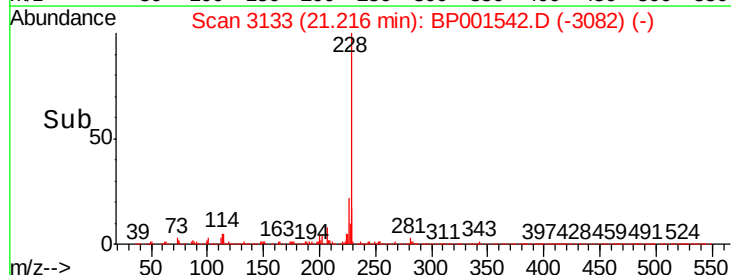
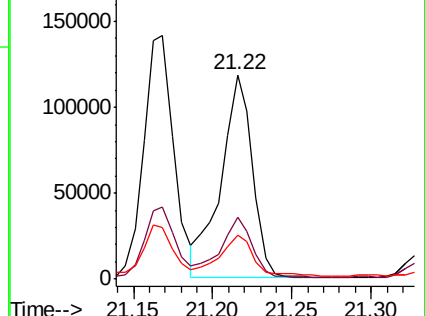
229 21.4 15.6 23.4

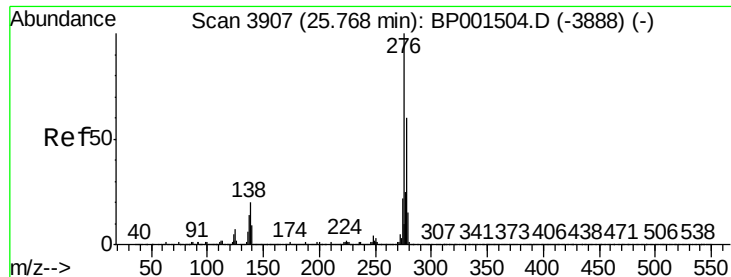


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 4.560 ng

RT: 25.70 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

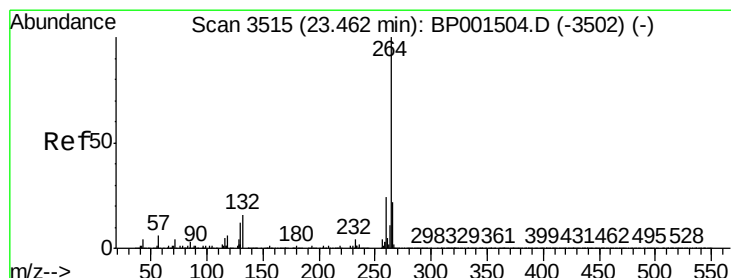
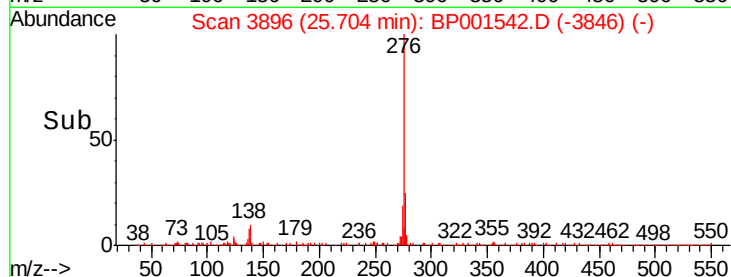
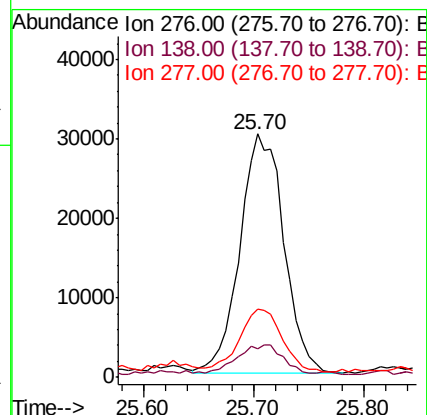
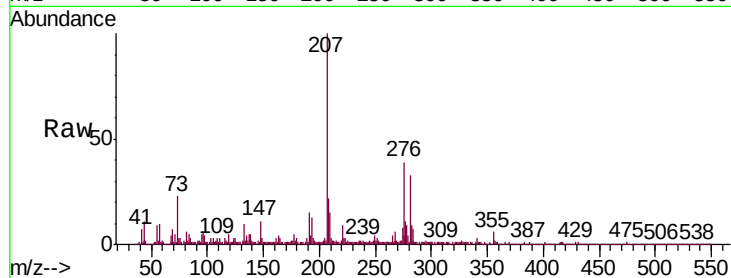
Tgt Ion:276 Resp: 83694

Ion Ratio Lower Upper

276 100

138 12.1 11.0 16.6

277 26.0 20.1 30.1



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.43 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

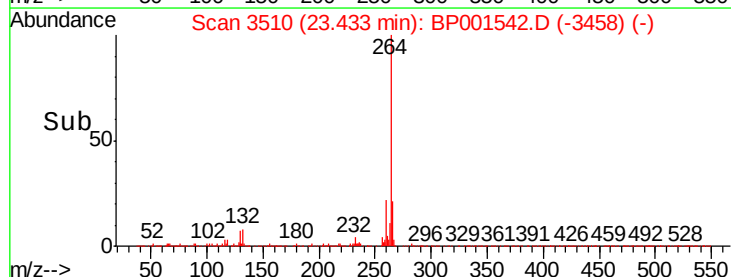
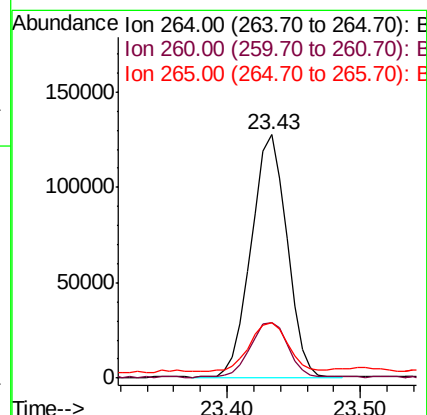
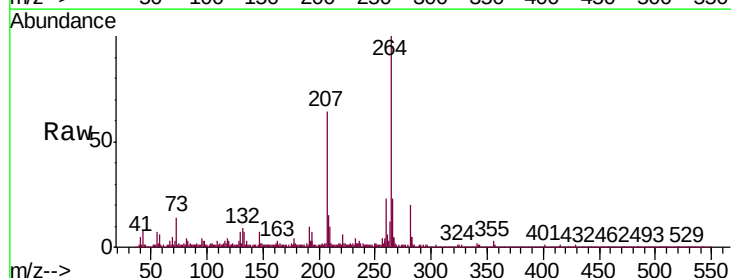
Tgt Ion:264 Resp: 235115

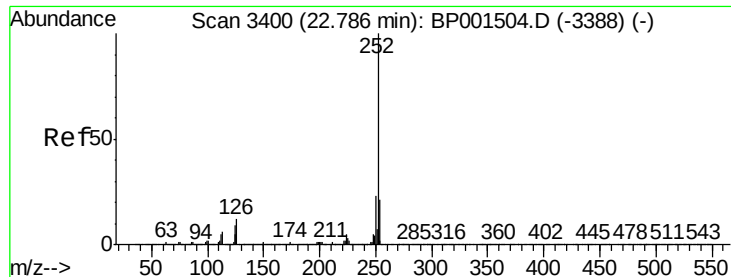
Ion Ratio Lower Upper

264 100

260 22.8 18.6 27.8

265 22.9 19.0 28.4





#88

Benzo(b)fluoranthene

Concen: 13.716 ng

RT: 22.76 min Scan# 3395

Delta R.T. 0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

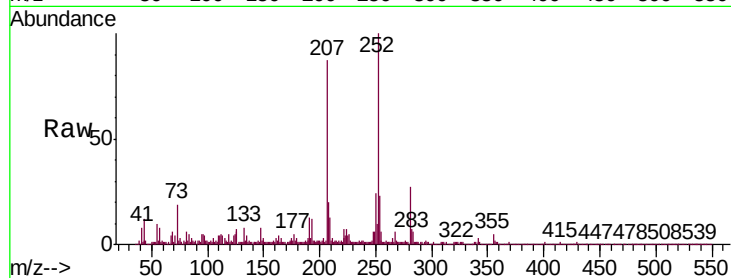
Tgt Ion:252 Resp: 199669

Ion Ratio Lower Upper

252 100

253 23.4 16.7 25.1

125 6.5 4.2 6.2#

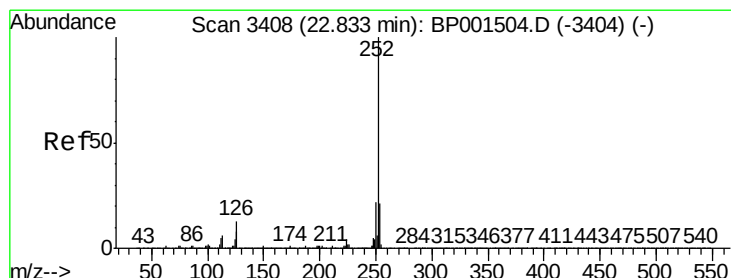
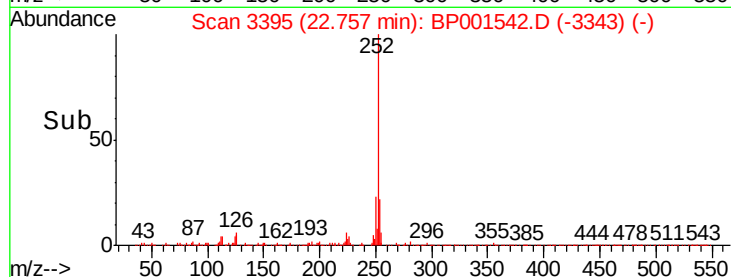
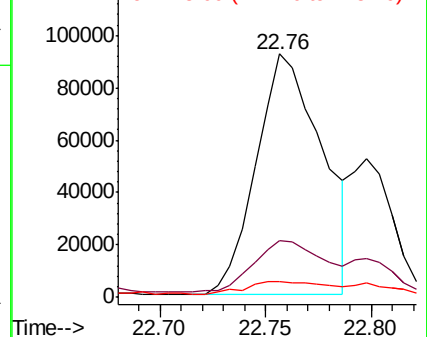


Abundance

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: 14.318 ng

RT: 22.76 min Scan# 3395

Delta R.T. -0.04 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

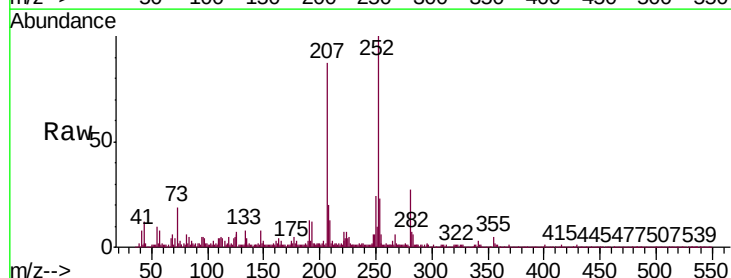
Tgt Ion:252 Resp: 199669

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 6.5 4.8 7.2

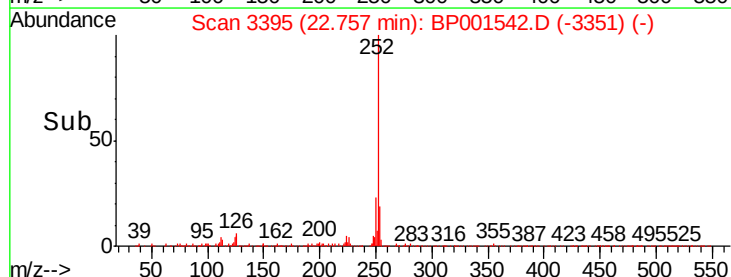
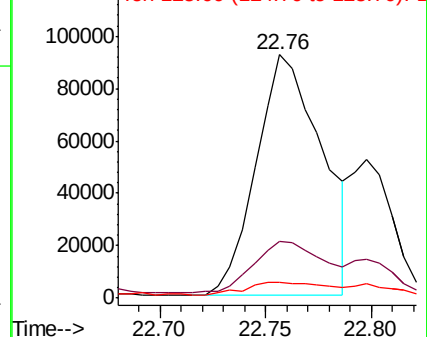


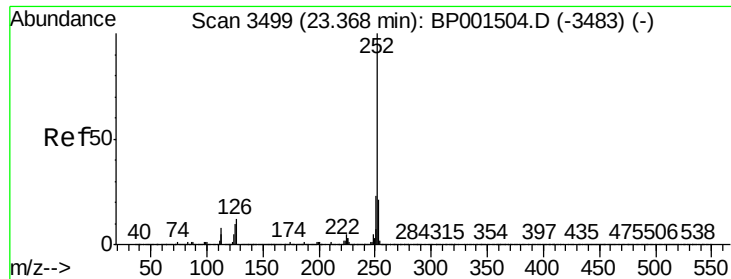
Abundance

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





#90

Benzo(a)pyrene

Concen: 10.747 ng

RT: 23.33 min Scan# 3493

Delta R.T. -0.00 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

Instrument :

BNA_P

ClientSampleId :

NB-08-010220

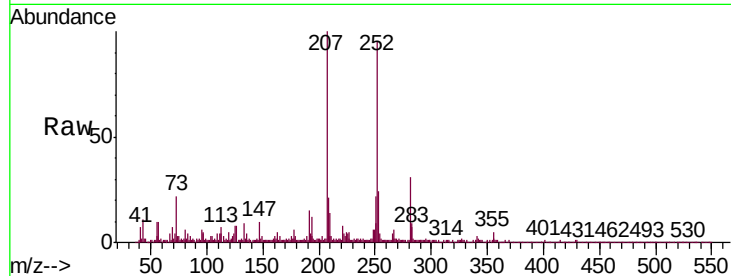
Tgt Ion:252 Resp: 146456

Ion Ratio Lower Upper

252 100

253 24.8 17.8 26.8

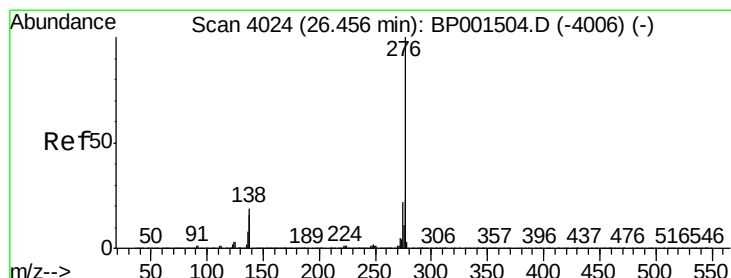
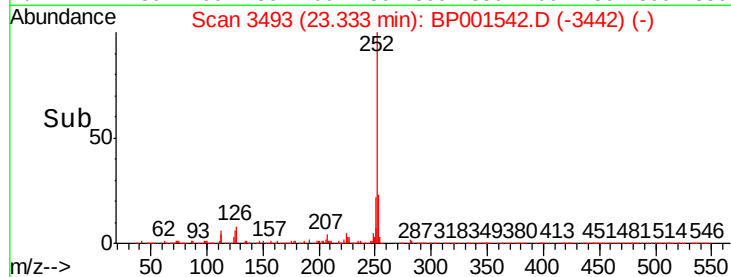
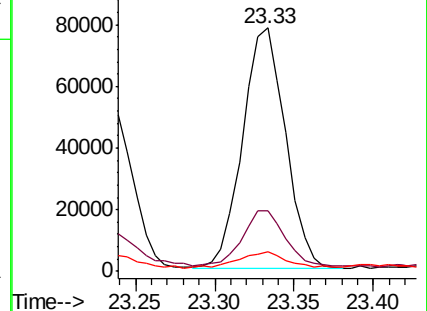
125 8.0 4.6 6.8#



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: 5.656 ng

RT: 26.39 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BP001542.D

Acq: 06 Jan 2020 22:08

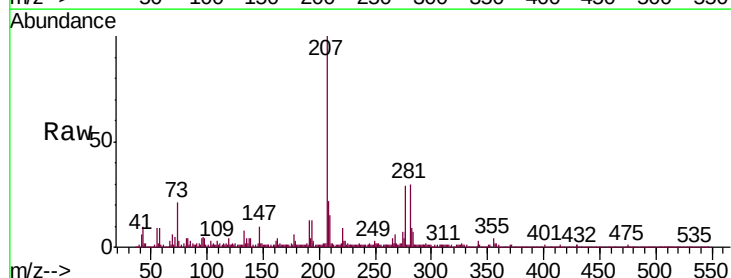
Tgt Ion:276 Resp: 76401

Ion Ratio Lower Upper

276 100

277 24.4 18.9 28.3

138 12.3 10.1 15.1



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

