

Data File : BP001520.D
Acq On : 03 Jan 2020 22:20
Operator : JU
Sample : L1011-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B3

Quant Time: Jan 04 03:00:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 03 15:57:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	63876	20.00	ng	0.00
21) Naphthalene-d8	10.47	136	238509	20.00	ng	0.00
39) Acenaphthene-d10	14.33	164	151233	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	330781	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	294960	20.00	ng	-0.01
87) Perylene-d12	23.44	264	320636	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	358572	94.31	ng	0.04
7) Phenol-d6	6.92	99	487184	95.13	ng	0.04
23) Nitrobenzene-d5	8.85	82	294026	60.89	ng	0.00
42) 2,4,6-Tribromophenol	15.84	330	161272	94.22	ng	0.00
45) 2-Fluorobiphenyl	12.96	172	592397	57.60	ng	-0.01
79) Terphenyl-d14	19.68	244	862755	58.29	ng	0.00

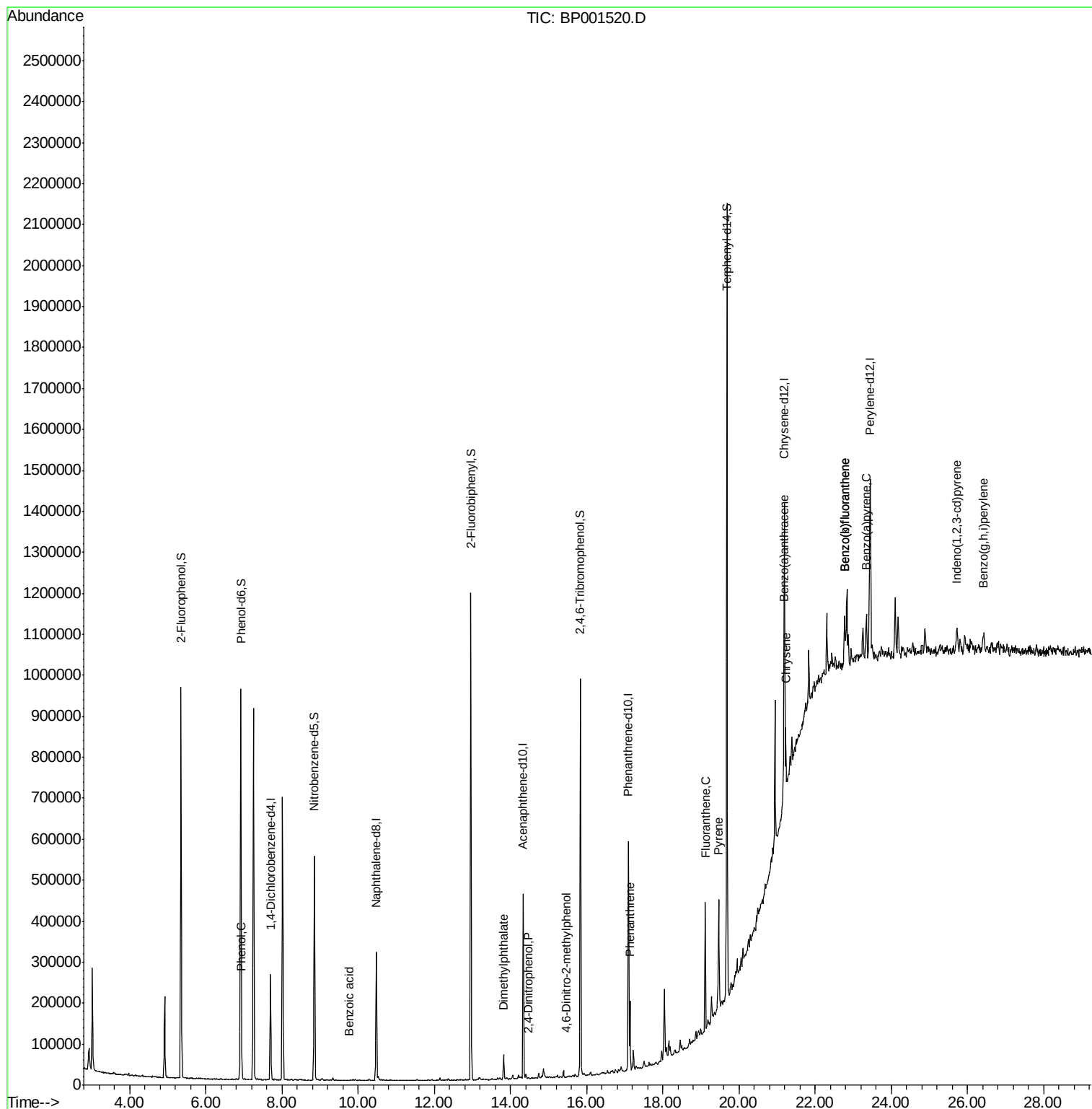
Target Compounds				Qvalue		
9) Benzaldehyde	6.80	77	131	Below Cal	#	46
10) Phenol	6.94	94	15131	2.809 ng		92
32) Benzoic acid	9.75	122	97	7.805 ng		94
50) Dimethylphthalate	13.82	163	35865	3.034 ng		99
54) 2,4-Dinitrophenol	14.46	184	13	6.462 ng	#	41
65) 4,6-Dinitro-2-methylphenol	15.45	198	18	5.882 ng	#	1
71) Phenanthrene	17.13	178	99522	5.547 ng		97
75) Fluoranthene	19.12	202	174242	8.023 ng		99
78) Pyrene	19.47	202	171537	8.014 ng		98
81) Benzo(a)anthracene	21.17	228	86329	4.171 ng		93
83) Chrysene	21.23	228	81983	4.131 ng		96
86) Indeno(1,2,3-cd)pyrene	25.73	276	59755	2.474 ng		97
88) Benzo(b)fluoranthene	22.77	252	111724	5.628 ng		93
89) Benzo(k)fluoranthene	22.77	252	111724	5.875 ng	#	92
90) Benzo(a)pyrene	23.34	252	89930	4.839 ng	#	90
92) Benzo(g,h,i)perylene	26.42	276	64633	3.509 ng		96

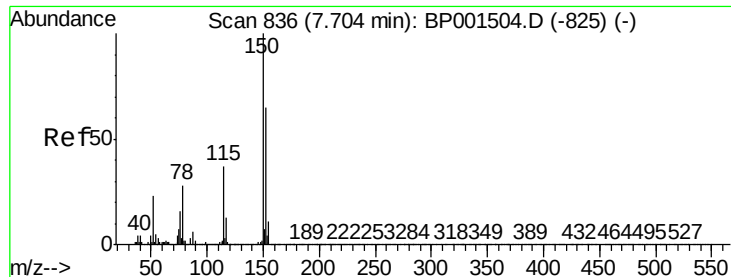
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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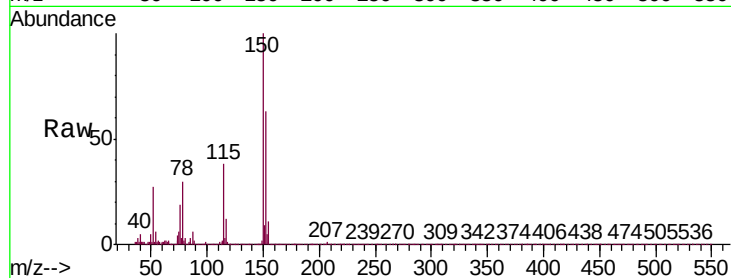


#1

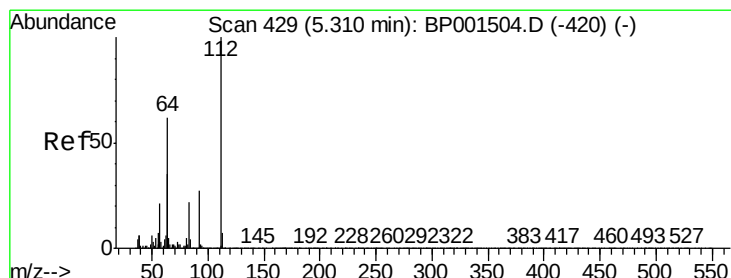
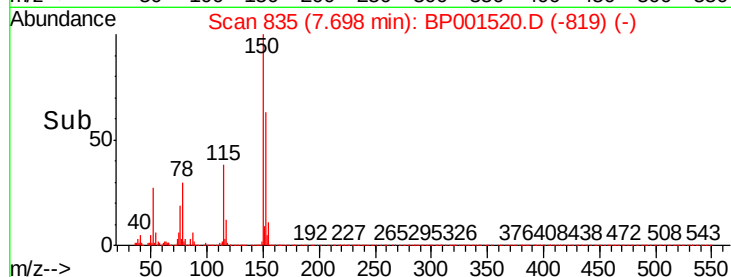
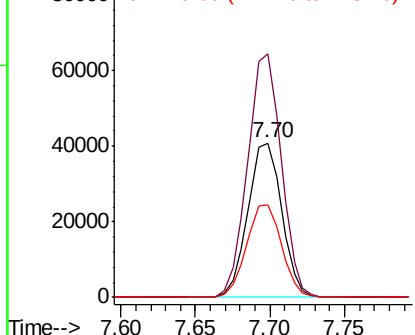
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 835
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B3

Tgt Ion:152 Resp: 63876
Ion Ratio Lower Upper
152 100
150 158.1 123.6 185.4
115 60.5 45.8 68.6



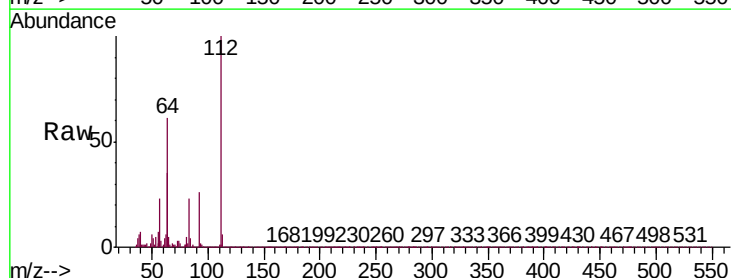
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



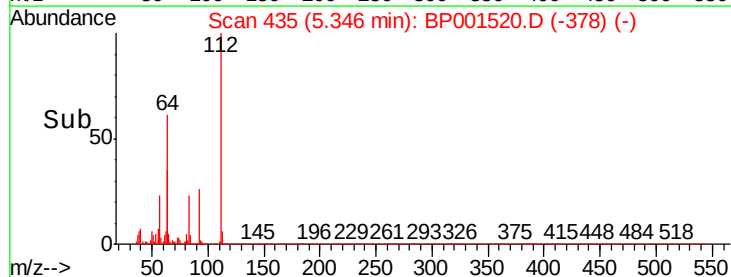
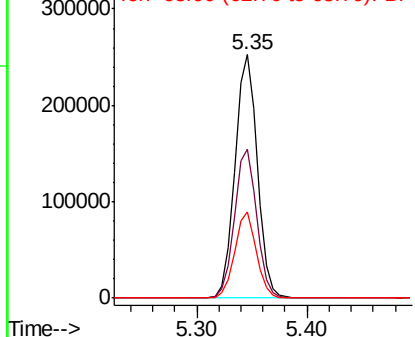
#5

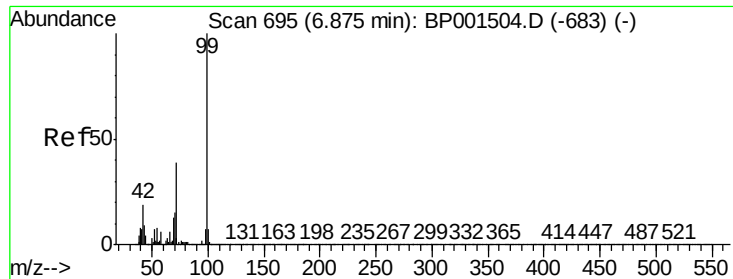
2-Fluorophenol
Concen: 94.308 ng
RT: 5.35 min Scan# 435
Delta R.T. 0.04 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Tgt Ion:112 Resp: 358572
Ion Ratio Lower Upper
112 100
64 61.1 49.7 74.5
63 35.3 28.1 42.1



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: 95.132 ng

RT: 6.92 min Scan# 702

Delta R.T. 0.04 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

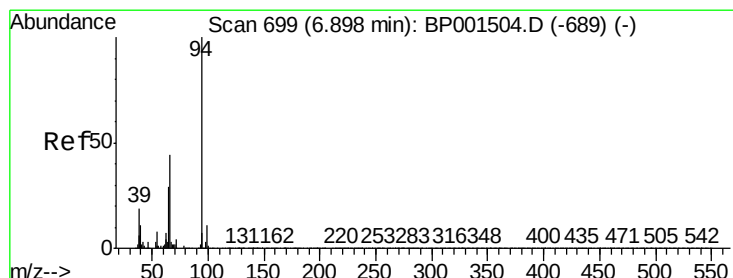
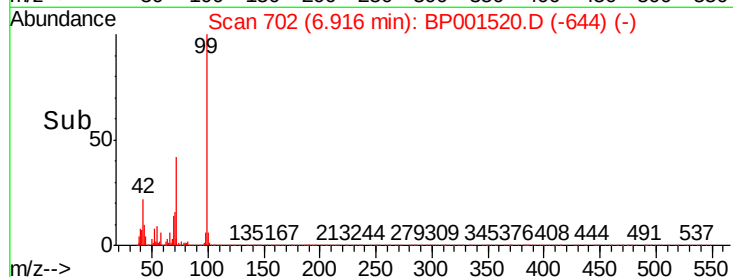
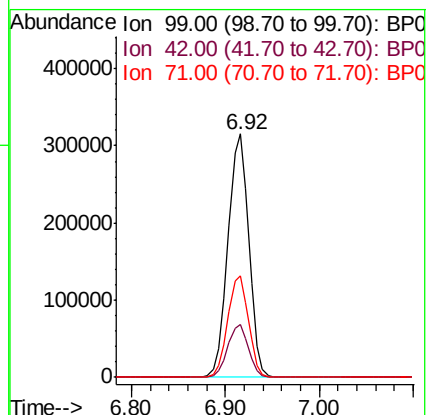
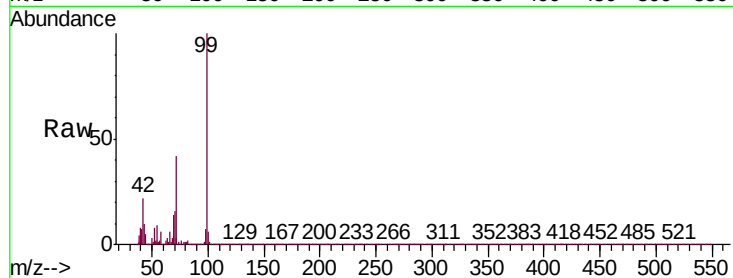
Tgt Ion: 99 Resp: 487184

Ion Ratio Lower Upper

99 100

42 22.0 15.3 22.9

71 42.0 30.9 46.3



#10

Phenol

Concen: 2.809 ng

RT: 6.94 min Scan# 706

Delta R.T. 0.04 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

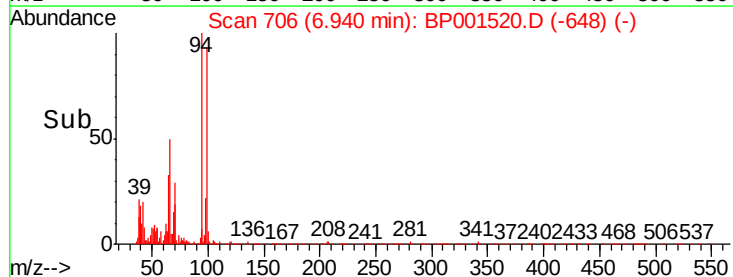
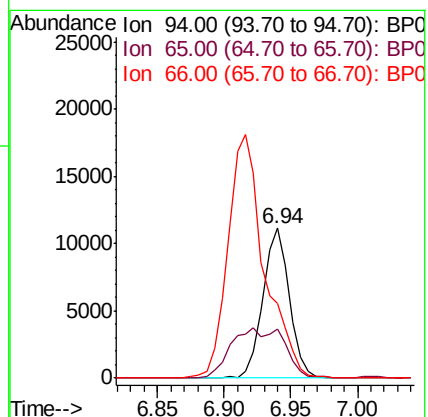
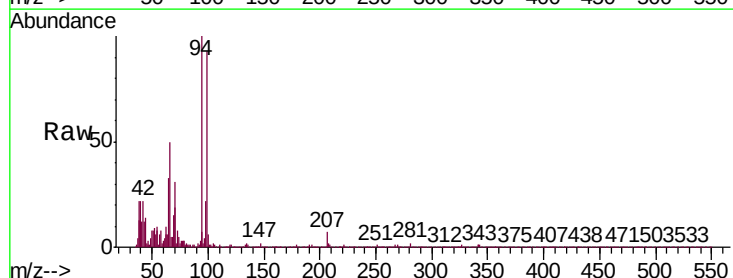
Tgt Ion: 94 Resp: 15131

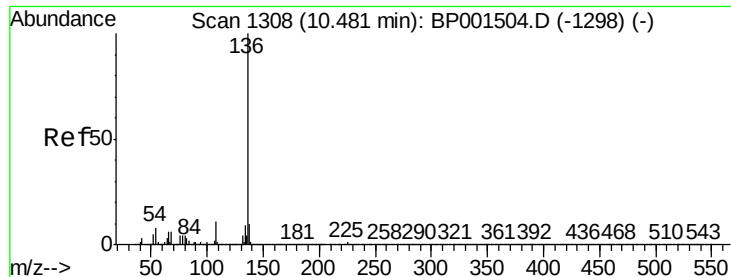
Ion Ratio Lower Upper

94 100

65 33.1 9.2 49.2

66 49.7 23.8 63.8

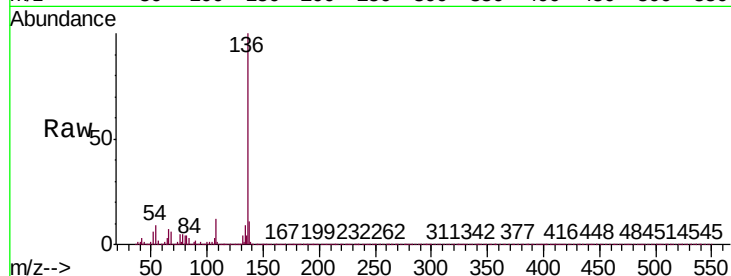




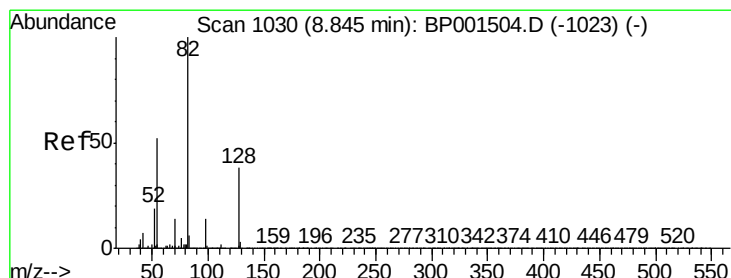
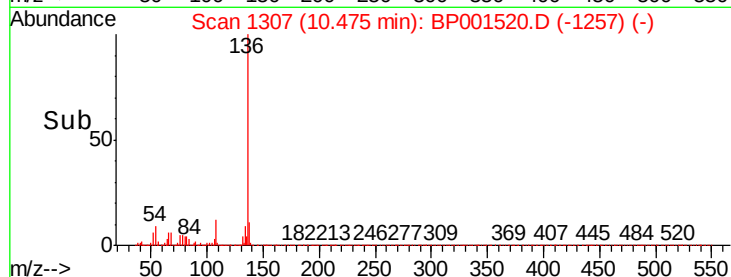
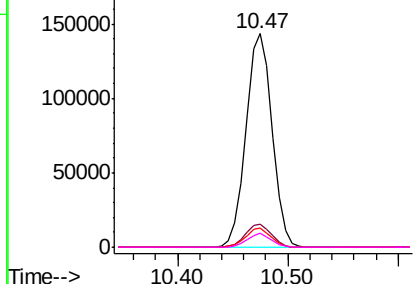
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.47 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B3

Tgt Ion:	136	Resp:	238509
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.3	12.5
54	8.8	6.7	10.1
68	6.4	4.4	6.6

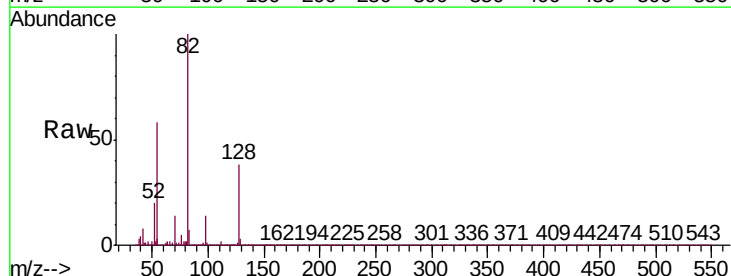


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

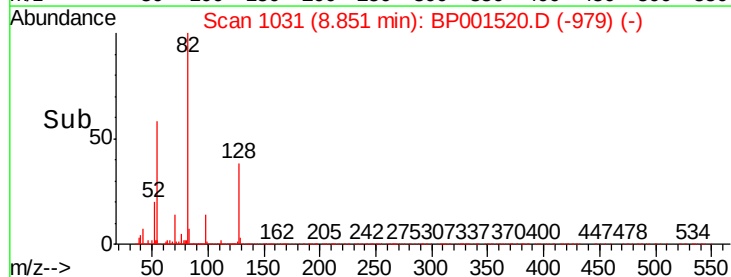
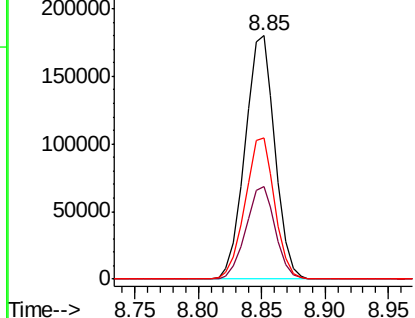


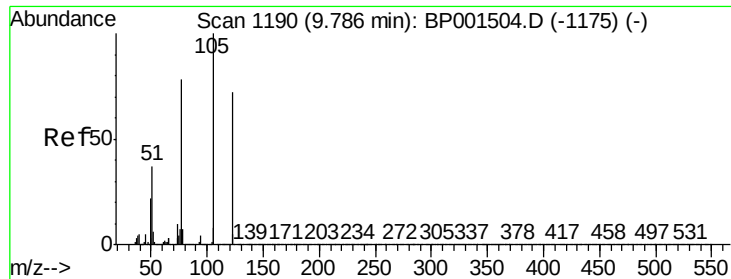
#23
Nitrobenzene-d5
Concen: 60.889 ng
RT: 8.85 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Tgt Ion:	82	Resp:	294026
Ion Ratio	Lower	Upper	
82	100		
128	38.2	30.1	45.1
54	58.1	41.8	62.6



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

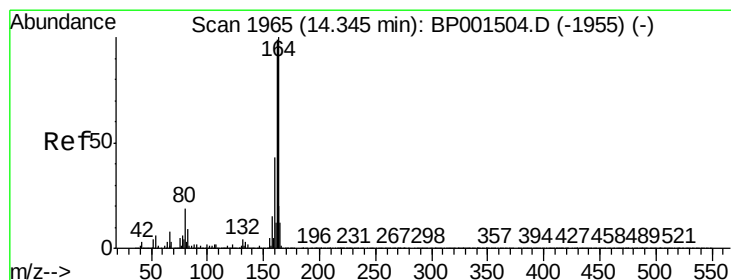
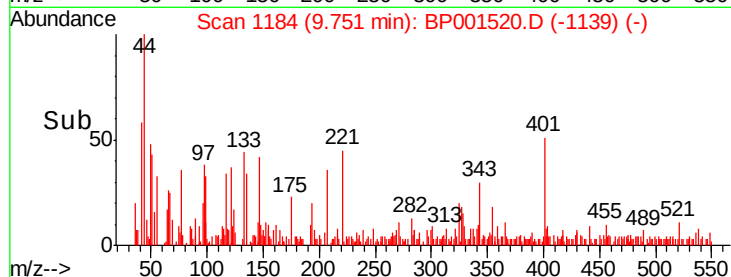
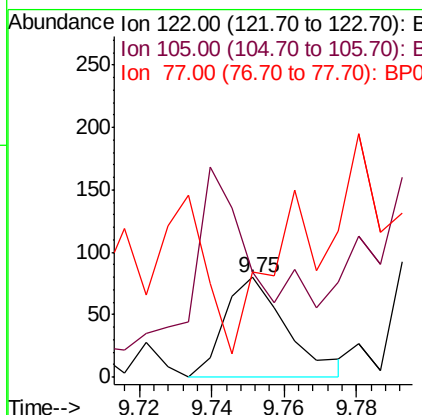
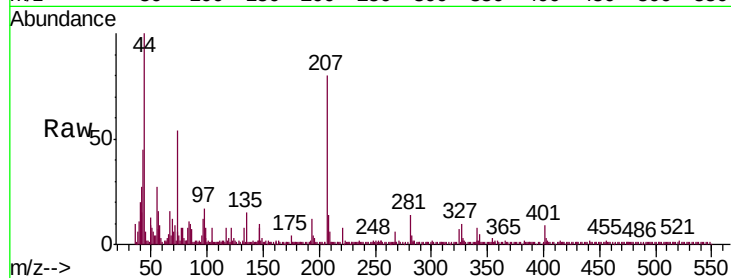




#32
Benzoic acid
Concen: 7.805 ng
RT: 9.75 min Scan# 1184
Delta R.T. -0.03 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

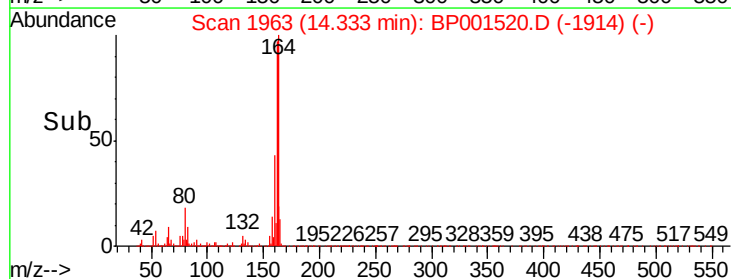
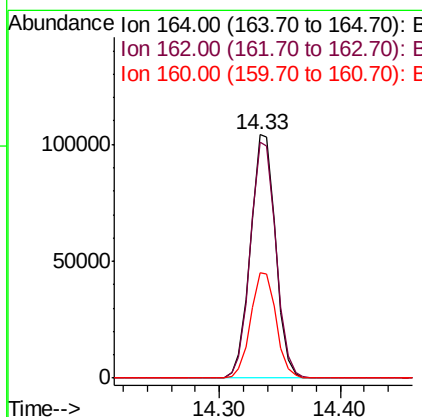
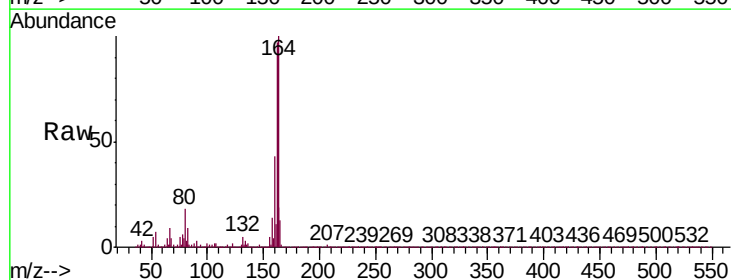
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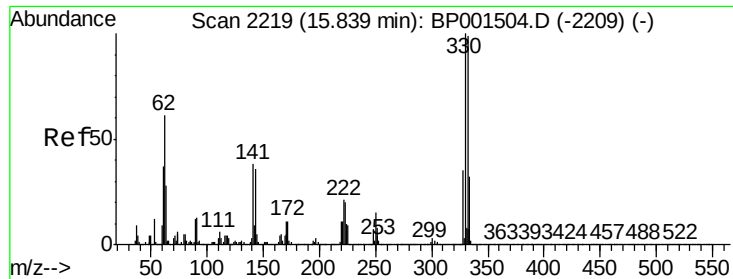
Tgt Ion:122 Resp: 97
Ion Ratio Lower Upper
122 100
105 120.0 111.1 151.1
77 105.0 85.9 125.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Tgt Ion:164 Resp: 151233
Ion Ratio Lower Upper
164 100
162 97.0 79.2 118.8
160 43.2 34.6 52.0

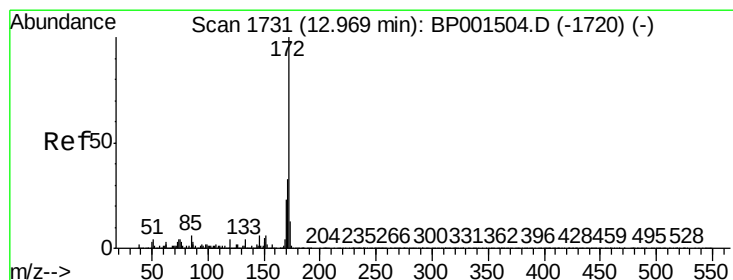
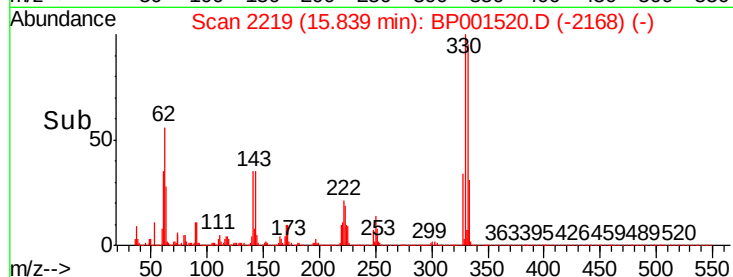
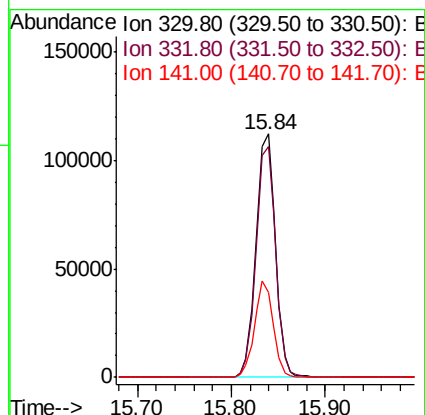
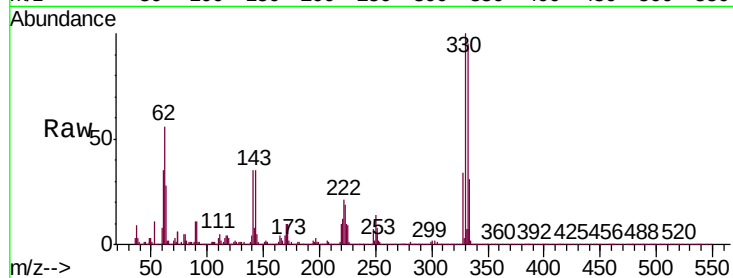




#42
 2,4,6-Tribromophenol
 Concen: 94.222 ng
 RT: 15.84 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BP001520.D
 Acq: 03 Jan 2020 22:20

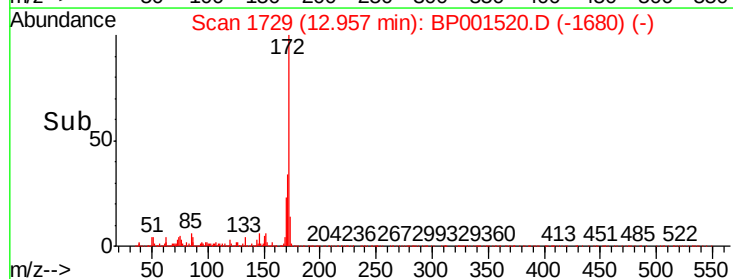
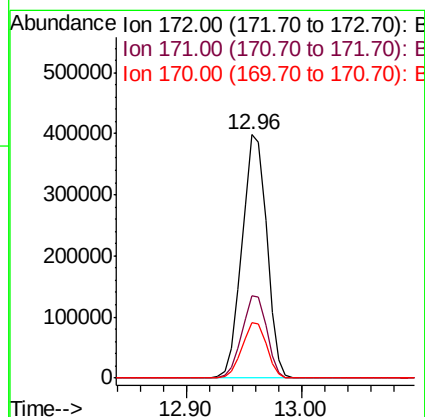
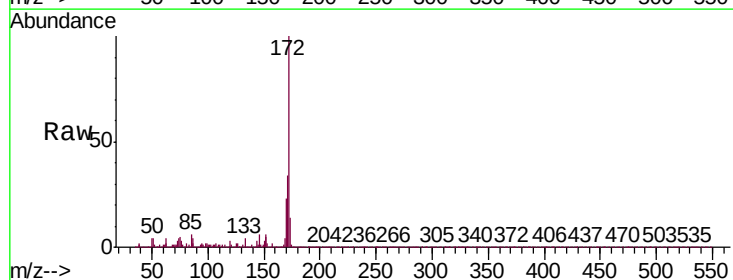
Instrument :
 BNA_P
 ClientSampleId :
 MC-010220-2-5-COMP-B3

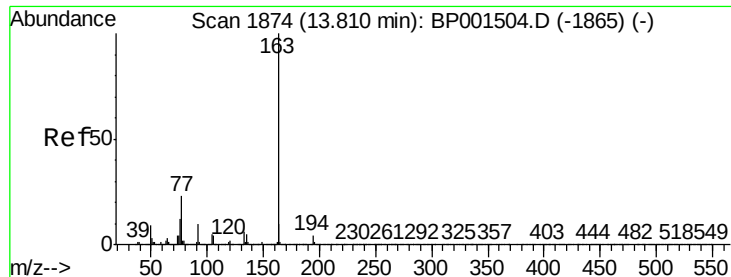
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.2	117.2
141	37.9	30.3	45.5



#45
 2-Fluorobiphenyl
 Concen: 57.597 ng
 RT: 12.96 min Scan# 1729
 Delta R.T. -0.01 min
 Lab File: BP001520.D
 Acq: 03 Jan 2020 22:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	26.7	40.1
170	22.8	18.7	28.1





#50

Dimethylphthalate

Concen: 3.034 ng

RT: 13.82 min Scan# 1876

Delta R.T. 0.01 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

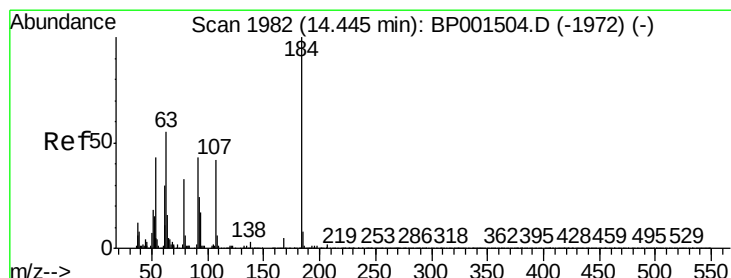
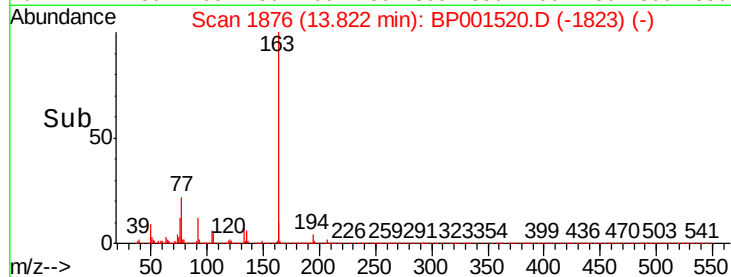
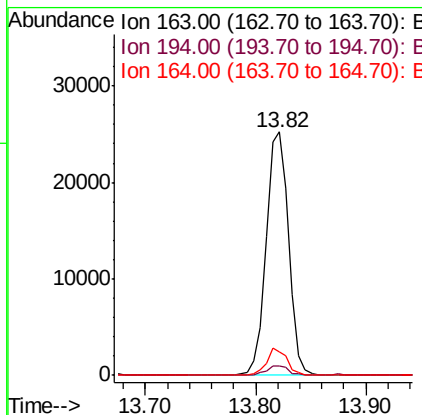
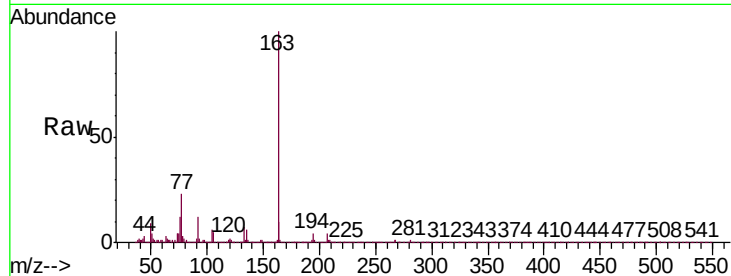
Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

Tgt Ion:	163	Resp:	35865
Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.4	5.0
164	9.9	8.1	12.1



#54

2,4-Dinitrophenol

Concen: 6.462 ng

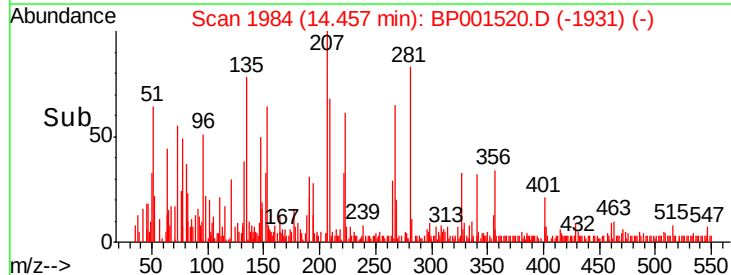
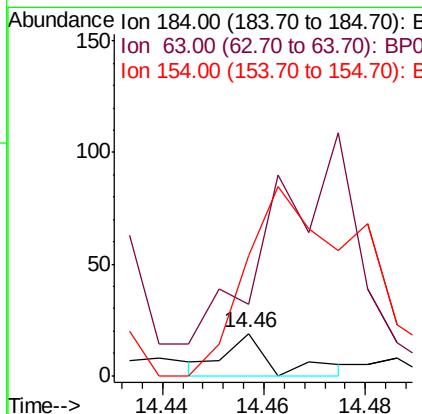
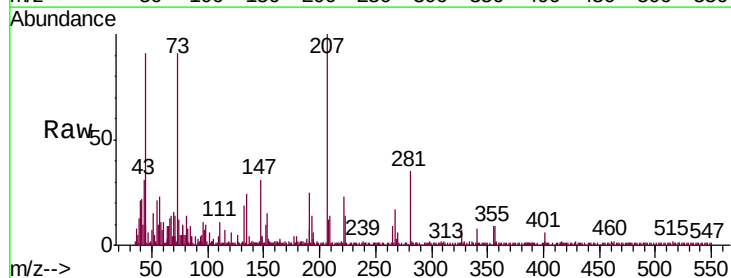
RT: 14.46 min Scan# 1984

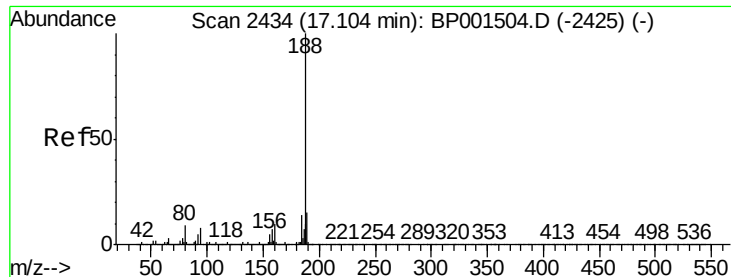
Delta R.T. 0.01 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

Tgt Ion:	184	Resp:	13
Ion	Ratio	Lower	Upper
184	100		
63	80.0	50.0	75.0#
154	135.0	49.2	73.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.09 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

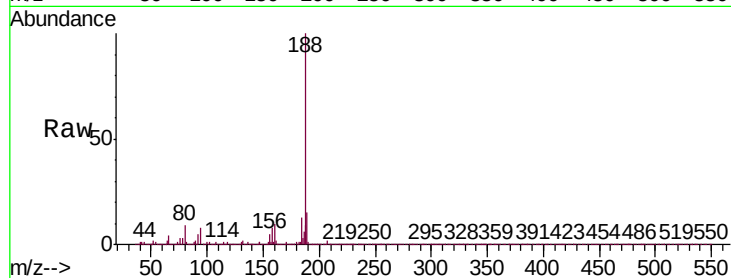
Tgt Ion:188 Resp: 330781

Ion Ratio Lower Upper

188 100

94 7.8 6.5 9.7

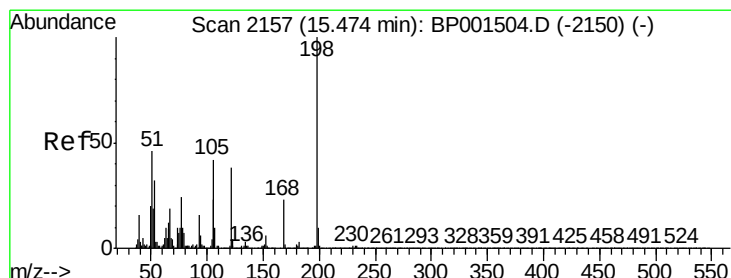
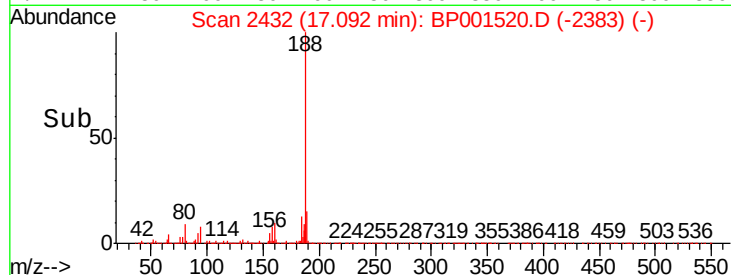
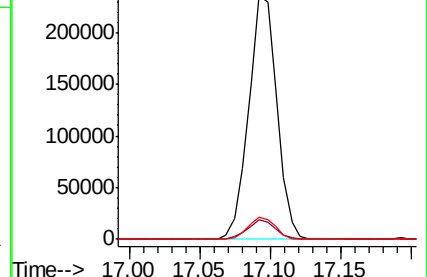
80 8.9 7.3 10.9



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 5.882 ng

RT: 15.45 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

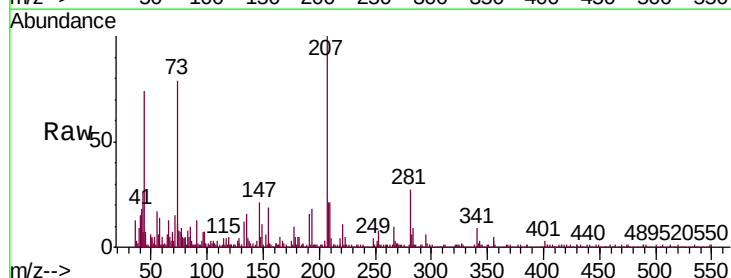
Tgt Ion:198 Resp: 18

Ion Ratio Lower Upper

198 100

51 535.7 26.9 66.9#

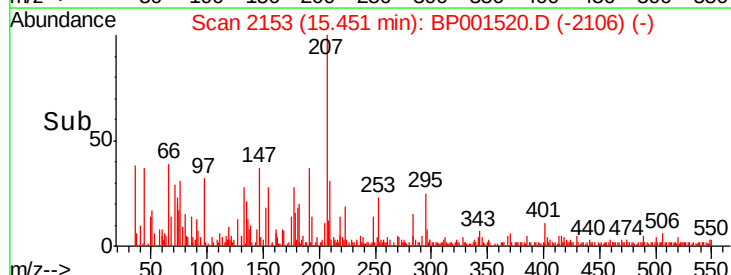
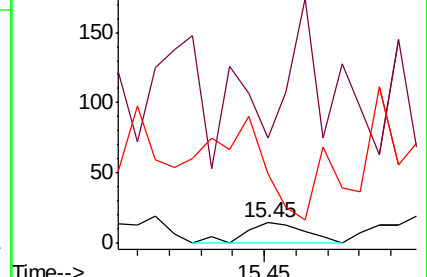
105 350.0 22.5 62.5#

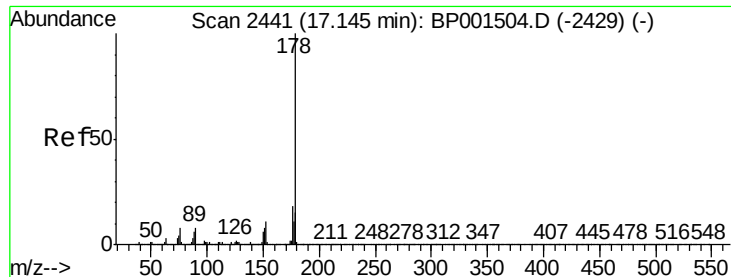


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

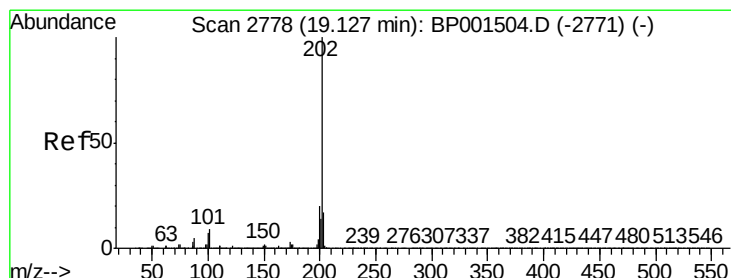
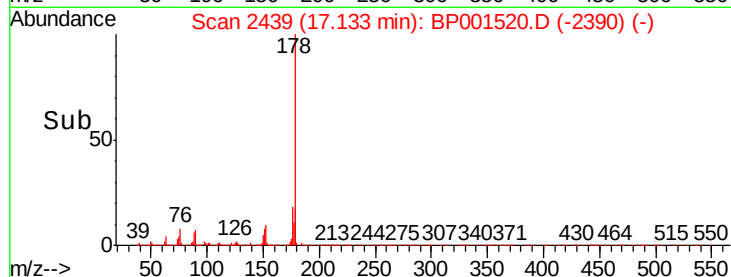
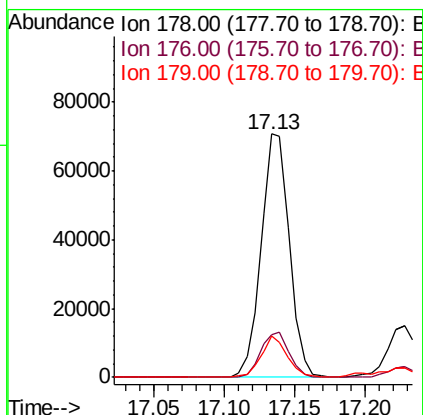
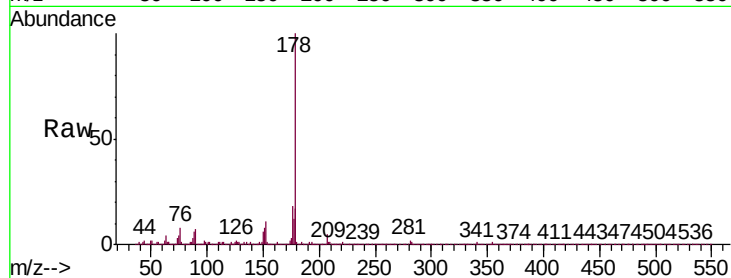




#71
Phenanthrene
Concen: 5.547 ng
RT: 17.13 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

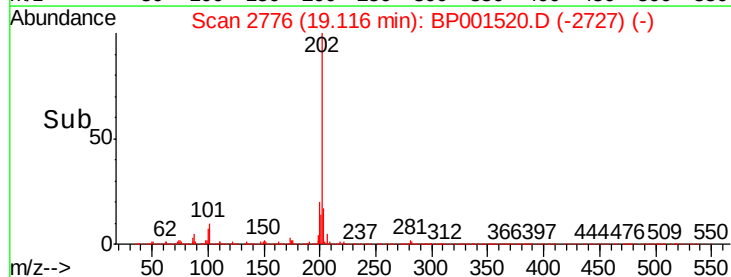
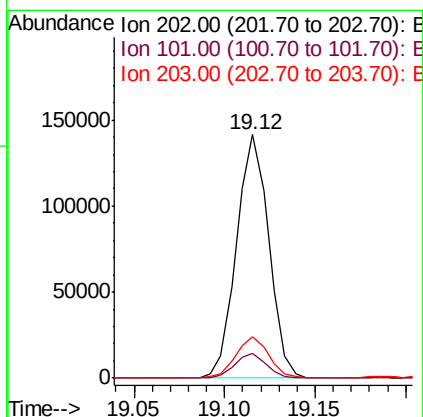
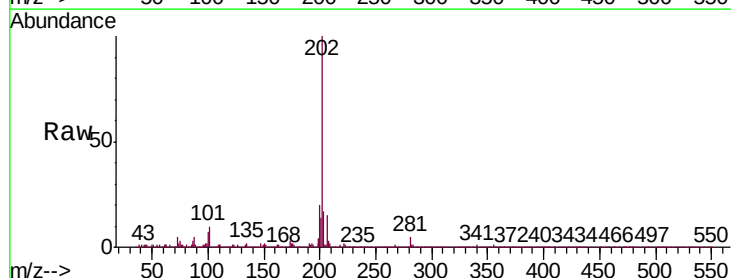
Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B3

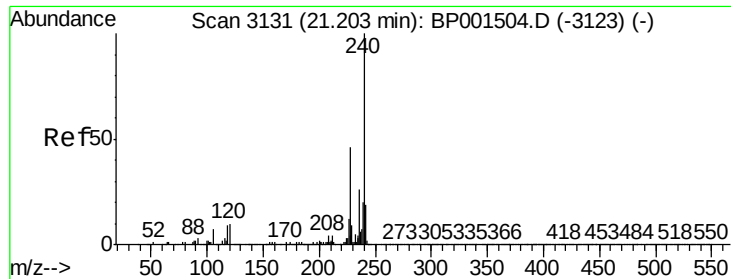
Tgt Ion:178 Resp: 99522
Ion Ratio Lower Upper
178 100
176 17.7 14.6 22.0
179 17.2 12.3 18.5



#75
Fluoranthene
Concen: 8.023 ng
RT: 19.12 min Scan# 2776
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Tgt Ion:202 Resp: 174242
Ion Ratio Lower Upper
202 100
101 10.2 0.0 29.3
203 17.0 0.0 36.7

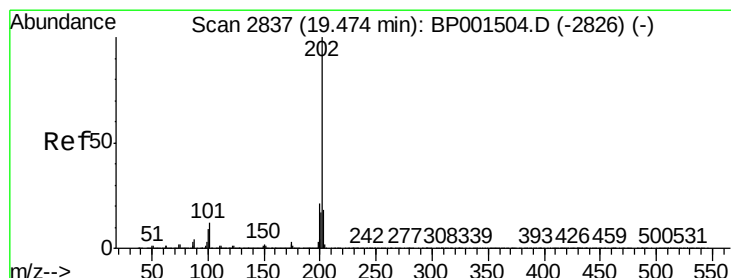
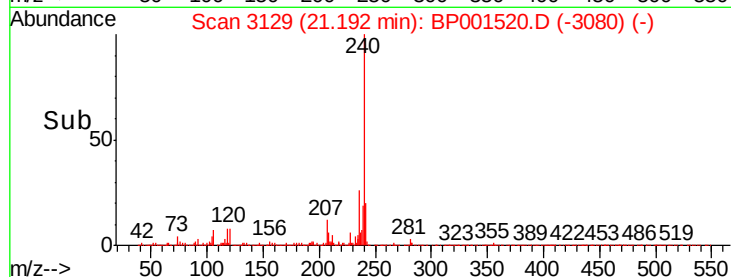
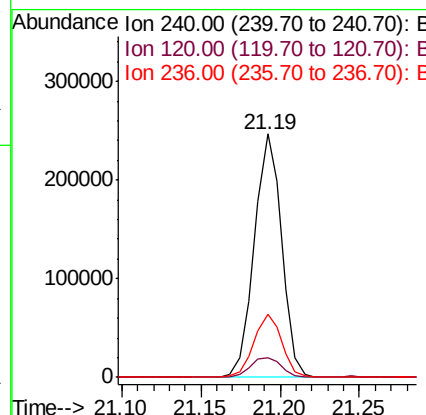
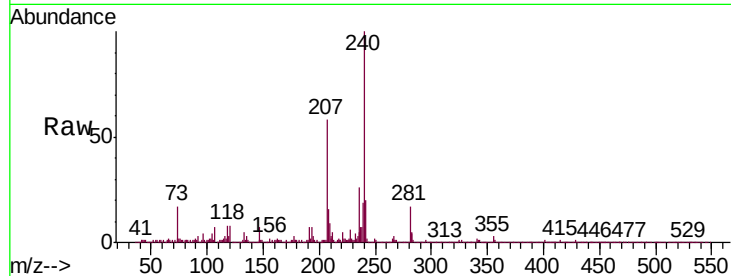




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

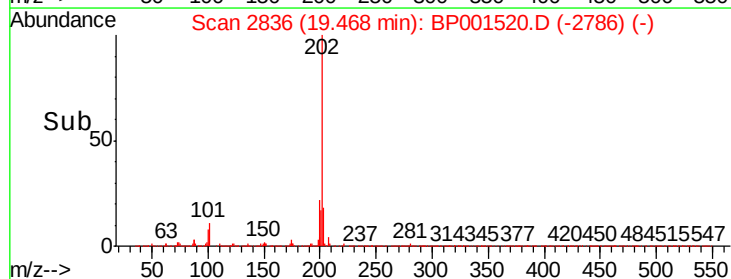
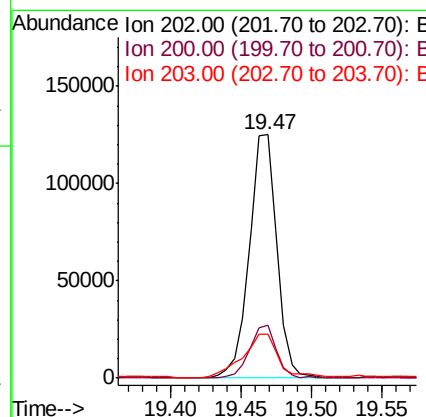
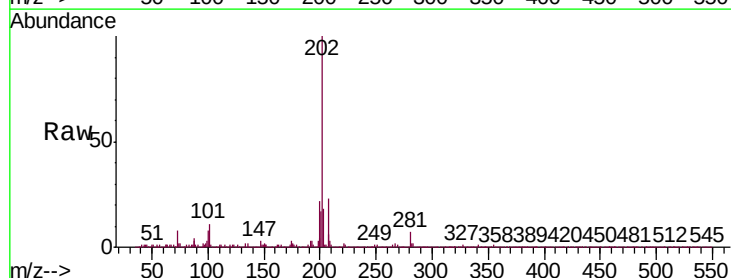
Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B3

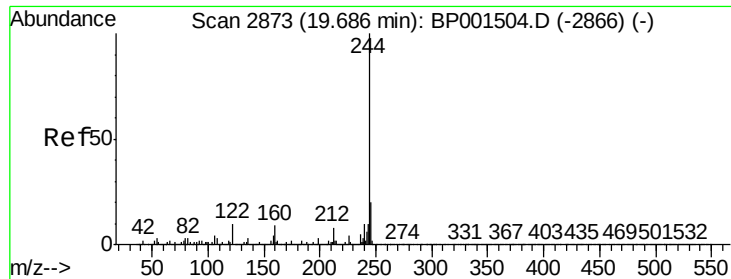
Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.2	8.1	12.1
236	25.8	20.9	31.3



#78
Pyrene
Concen: 8.014 ng
RT: 19.47 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.4	24.6
203	17.9	14.2	21.2





#79

Terphenyl-d14

Concen: 58.291 ng

RT: 19.68 min Scan# 2872

Delta R.T. -0.01 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

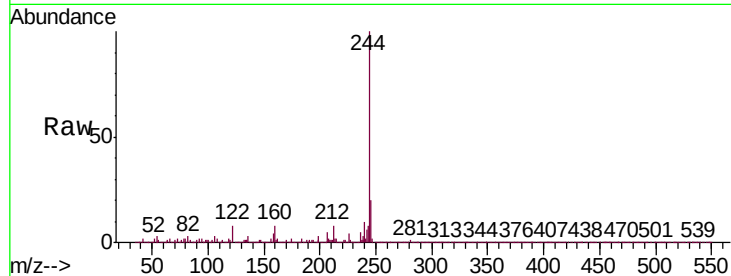
Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

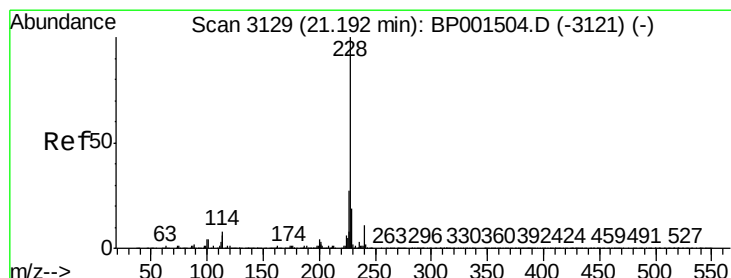
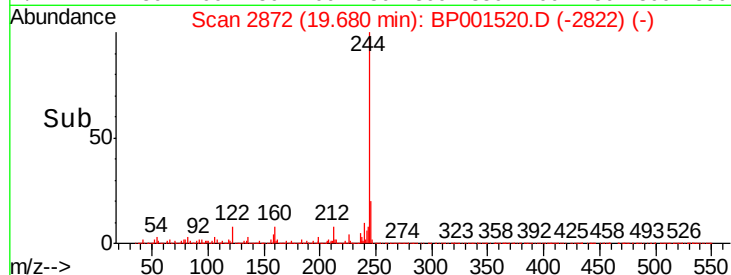
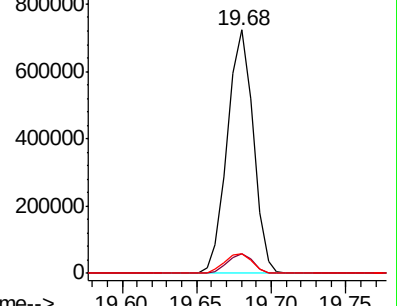
Tgt Ion:	244	Resp:	862755
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.6	9.8
122	7.9	7.8	11.6



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: 4.171 ng

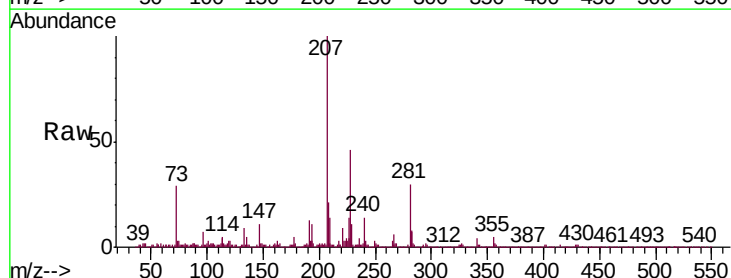
RT: 21.17 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

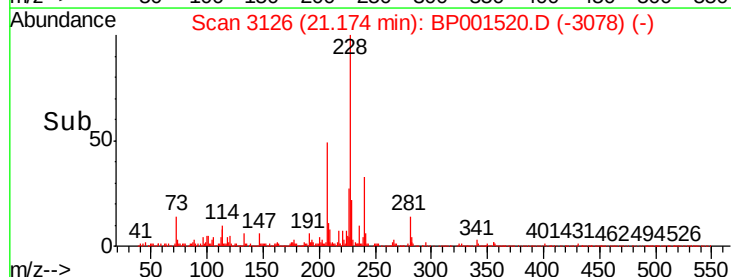
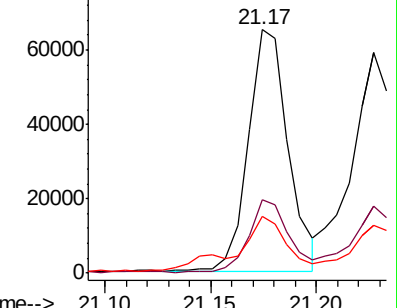
Tgt Ion:	228	Resp:	86329
Ion Ratio	Lower	Upper	
228	100		
226	30.0	21.5	32.3
229	23.1	15.4	23.2

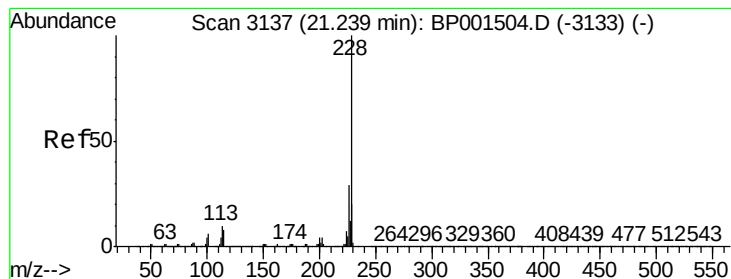


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.131 ng

RT: 21.23 min Scan# 3135

Delta R.T. -0.01 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

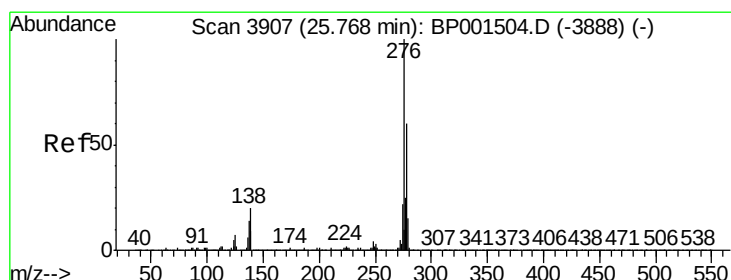
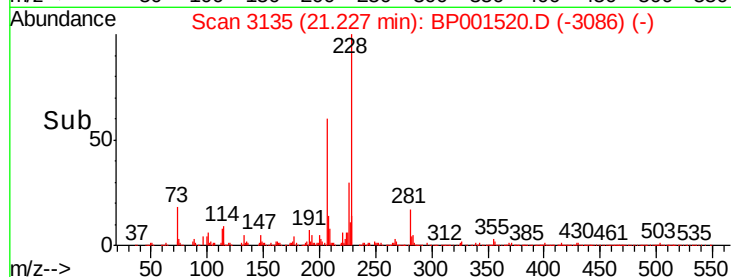
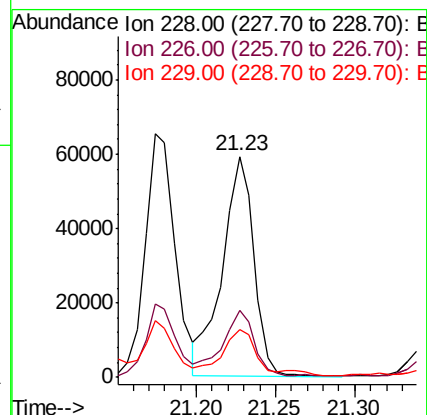
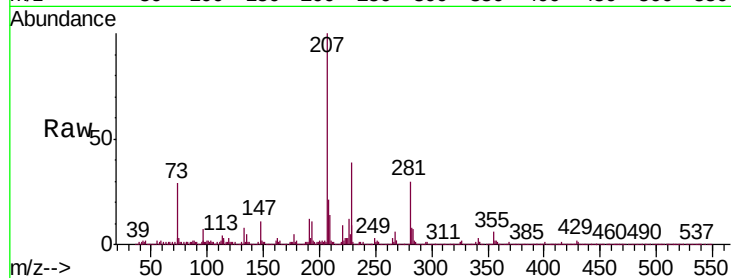
Tgt Ion:228 Resp: 81983

Ion Ratio Lower Upper

228 100

226 30.6 23.0 34.6

229 21.6 15.7 23.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.474 ng

RT: 25.73 min Scan# 3900

Delta R.T. -0.04 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

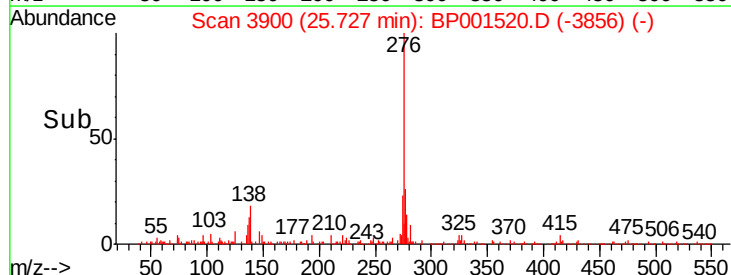
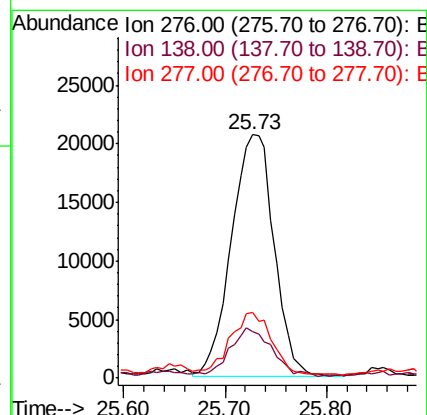
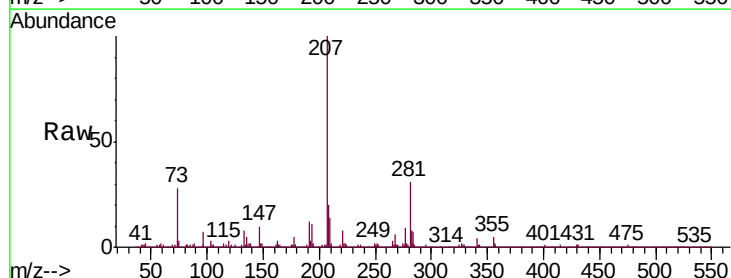
Tgt Ion:276 Resp: 59755

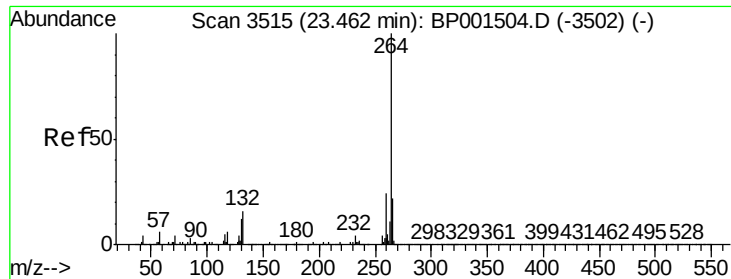
Ion Ratio Lower Upper

276 100

138 19.3 17.8 26.8

277 25.4 20.0 30.0





#87

Perylene-d12

Concen: 20.000 ng

RT: 23.44 min Scan# 3512

Delta R.T. -0.02 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

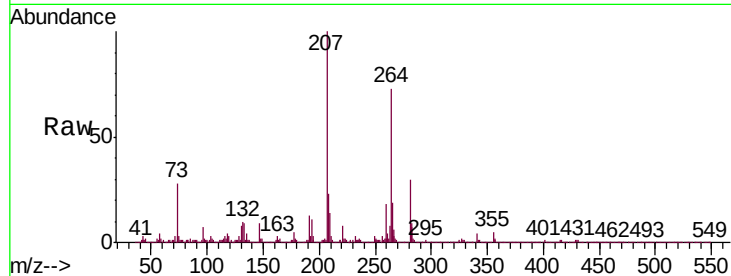
Tgt Ion:264 Resp: 320636

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.4

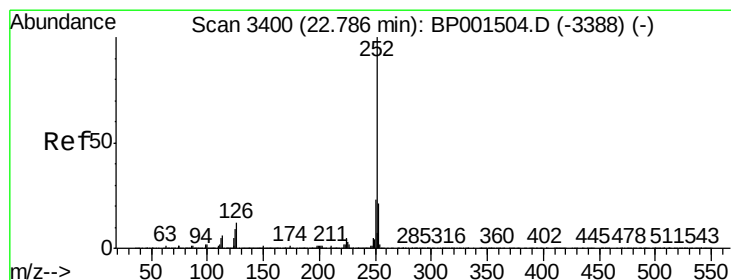
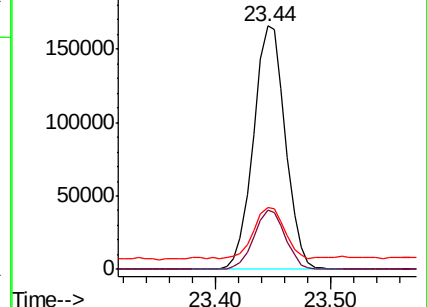
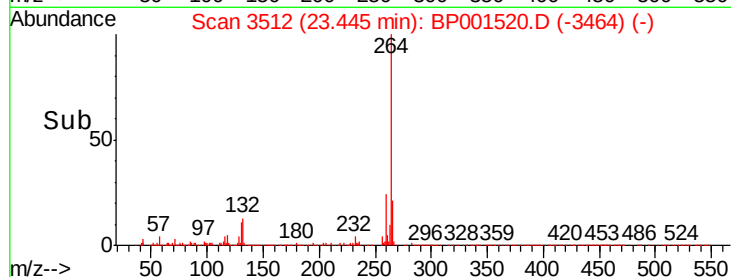
265 25.5 17.2 25.8



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: 5.628 ng

RT: 22.77 min Scan# 3397

Delta R.T. -0.02 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

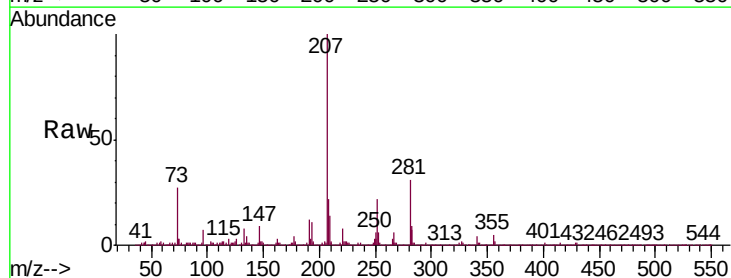
Tgt Ion:252 Resp: 111724

Ion Ratio Lower Upper

252 100

253 25.4 17.0 25.6

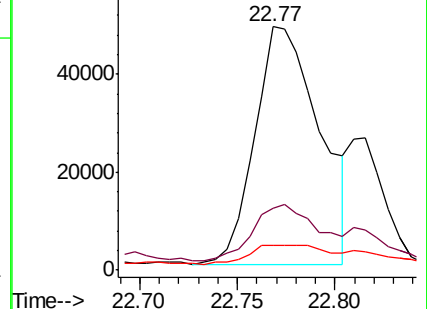
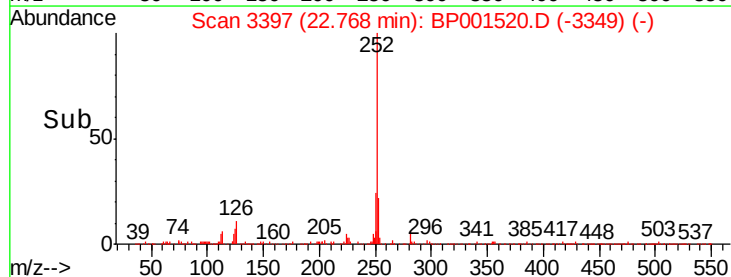
125 10.3 7.2 10.8

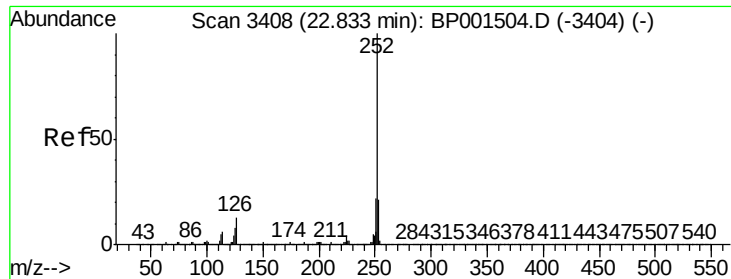


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

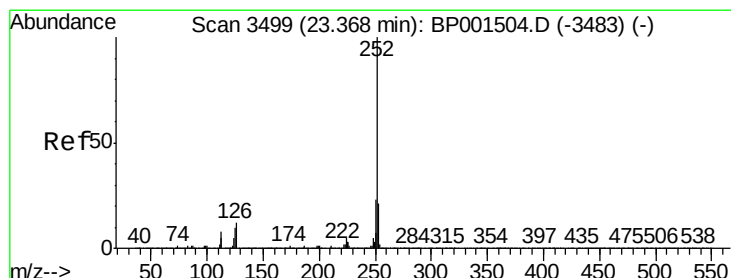
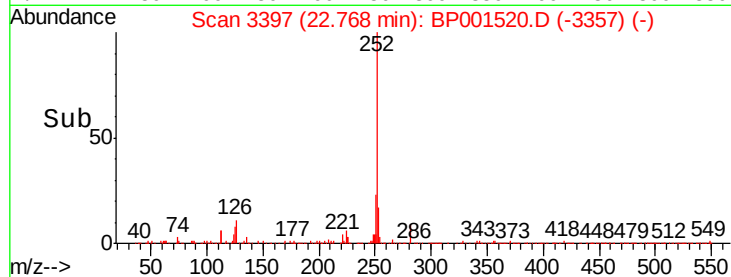
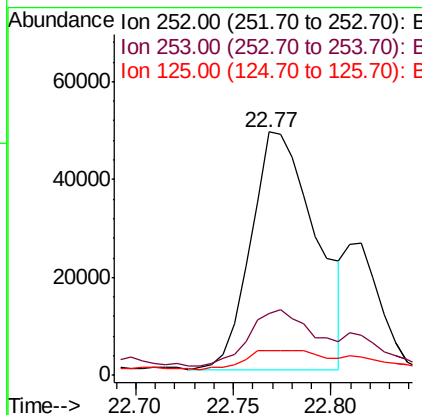
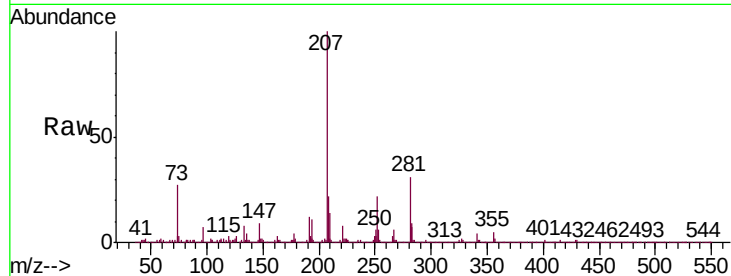




#89
Benzo(k)fluoranthene
Concen: 5.875 ng
RT: 22.77 min Scan# 3397
Delta R.T. -0.06 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

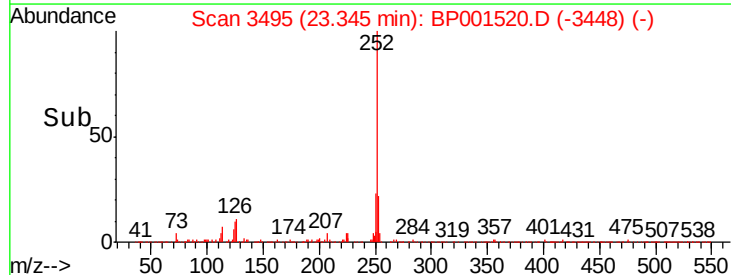
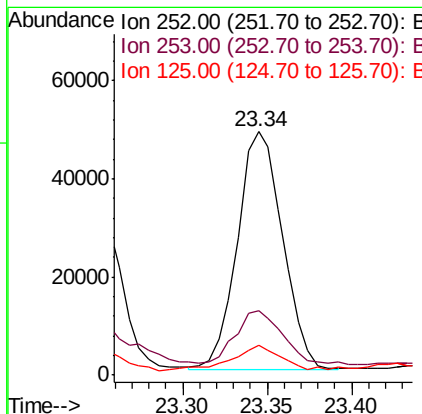
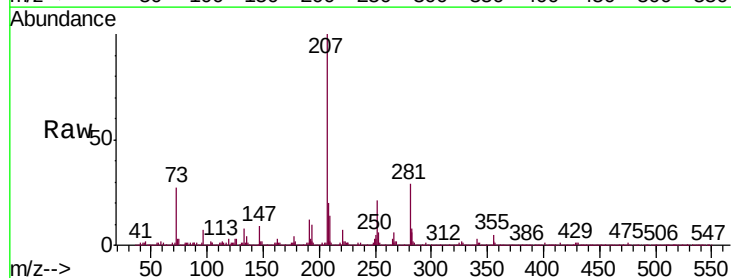
Instrument :
BNA_P
ClientSampleId :
MC-010220-2-5-COMP-B3

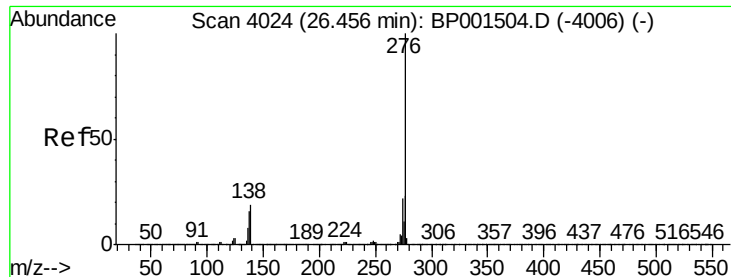
Tgt Ion: 252 Resp: 111724
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.6
125 10.3 6.6 10.0#



#90
Benzo(a)pyrene
Concen: 4.839 ng
RT: 23.34 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BP001520.D
Acq: 03 Jan 2020 22:20

Tgt Ion: 252 Resp: 89930
Ion Ratio Lower Upper
252 100
253 26.7 17.1 25.7#
125 12.0 7.7 11.5#





#92

Benzo(g,h,i)perylene

Concen: 3.509 ng

RT: 26.42 min Scan# 4018

Delta R.T. -0.04 min

Lab File: BP001520.D

Acq: 03 Jan 2020 22:20

Instrument :

BNA_P

ClientSampleId :

MC-010220-2-5-COMP-B3

Tgt Ion: 276 Resp: 64633

Ion Ratio Lower Upper

276 100

277 25.3 18.7 28.1

138 17.3 15.0 22.4

