

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122019\
 Data File : BP001338.D
 Acq On : 20 Dec 2019 12:01
 Operator : JU
 Sample : K6325-04DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RT-3425DL

Quant Time: Dec 20 13:09:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 20 03:20:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	67277	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	250028	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	144107	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	273858	20.00	ng	0.00
76) Chrysene-d12	19.25	240	187106	20.00	ng	0.00
87) Perylene-d12	21.02	264	182808	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	32572	7.82	ng	0.00
7) Phenol-d6	7.74	99	55495	10.22	ng	-0.01
23) Nitrobenzene-d5	9.18	82	39805	6.11	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	10762	5.97	ng	0.00
45) 2-Fluorobiphenyl	12.11	172	65378	5.74	ng	0.00
79) Terphenyl-d14	17.88	244	71947	6.59	ng	0.00

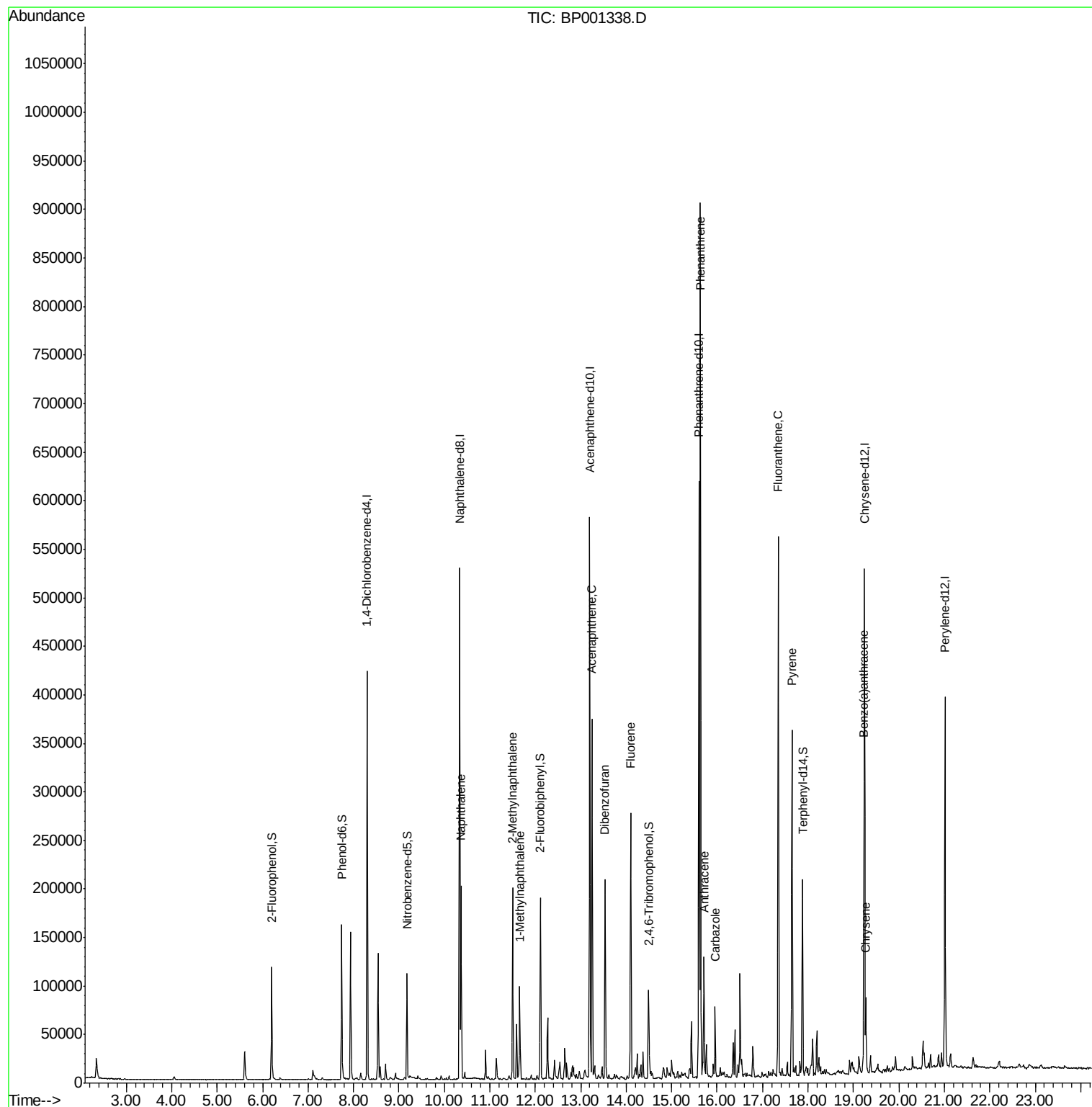
Target Compounds				Qvalue		
31) Naphthalene	10.37	128	94229	6.904	ng	98
37) 2-Methylnaphthalene	11.50	142	60585	6.430	ng	99
38) 1-Methylnaphthalene	11.66	142	27604	3.116	ng	97
52) Acenaphthene	13.25	154	95046	11.069	ng	99
55) Dibenzofuran	13.53	168	92630	6.885	ng	99
58) Fluorene	14.10	166	90105	8.374	ng	97
71) Phenanthrene	15.64	178	416672	26.668	ng	100
72) Anthracene	15.71	178	54151	3.501	ng	97
73) Carbazole	15.96	167	32789	2.378	ng	99
75) Fluoranthene	17.35	202	237916	13.618	ng	99
78) Pyrene	17.65	202	157869	10.867	ng	97
81) Benzo(a)anthracene	19.23	228	31116	2.282	ng	95
83) Chrysene	19.27	228	31797	2.416	ng	94

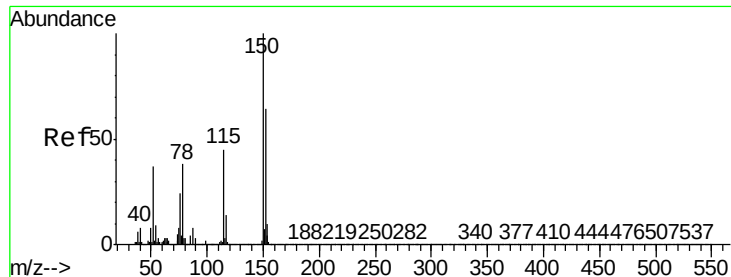
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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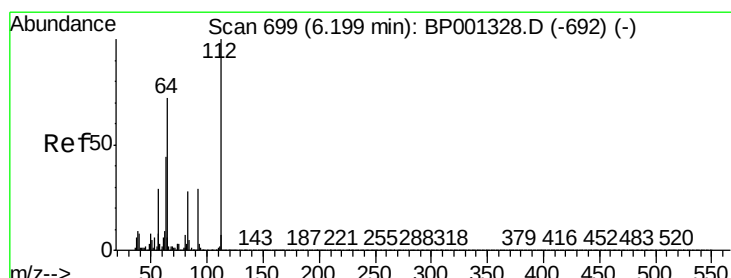
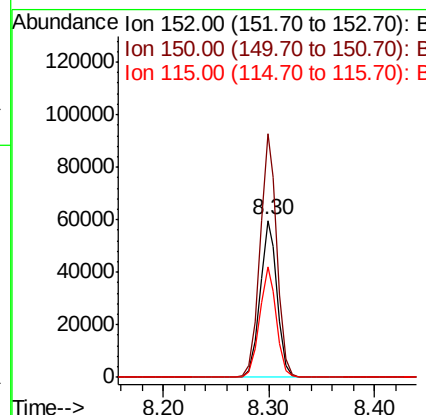
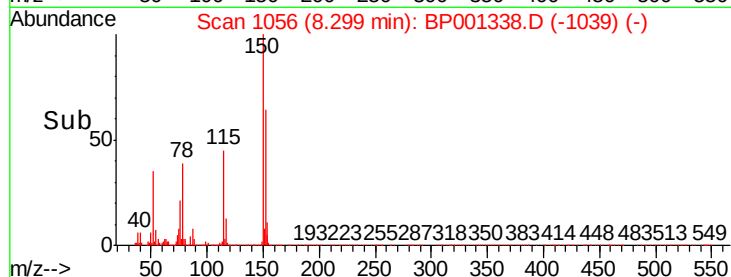
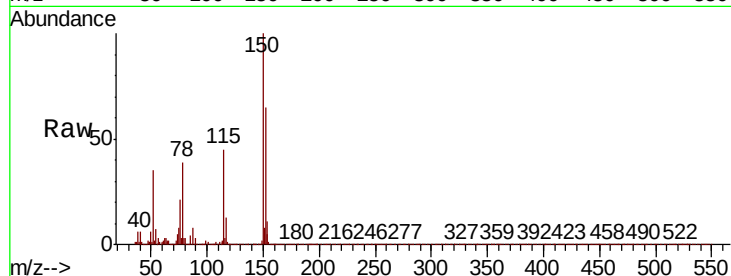




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.30 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: BP001338.D
 Acq: 20 Dec 2019 12:01

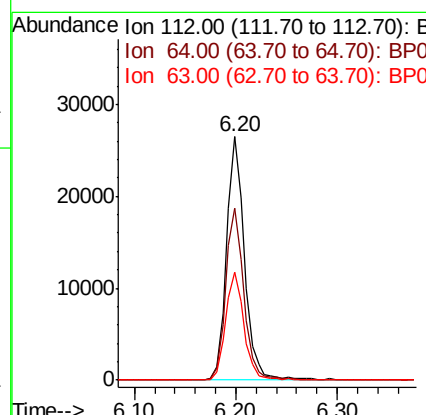
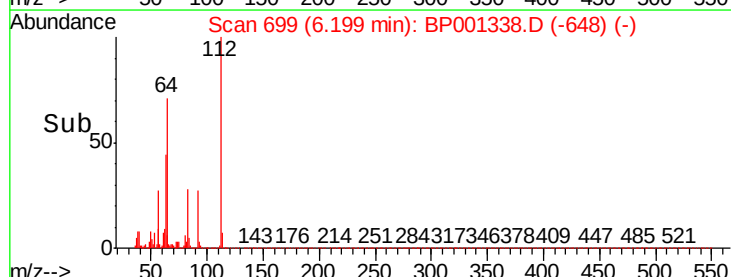
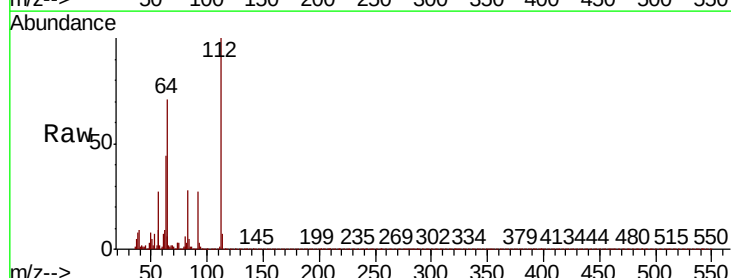
Instrument :
 BNA_P
 ClientSampleId :
 RT-3425DL

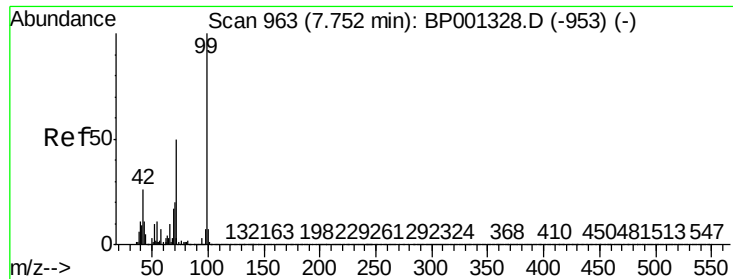
Tot Ion:	152	Resp:	67277
Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.0	186.0
115	70.2	59.3	88.9



#5
 2-Fluorophenol
 Concen: 7.825 ng
 RT: 6.20 min Scan# 699
 Delta R.T. 0.00 min
 Lab File: BP001338.D
 Acq: 20 Dec 2019 12:01

Tgt Ion:	112	Resp:	32572
Ion	Ratio	Lower	Upper
112	100		
64	70.7	57.6	86.4
63	44.2	35.1	52.7





#7

Phenol-d6

Concen: 10.217 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Instrument :

BNA_P

ClientSampleId :

RT-3425DL

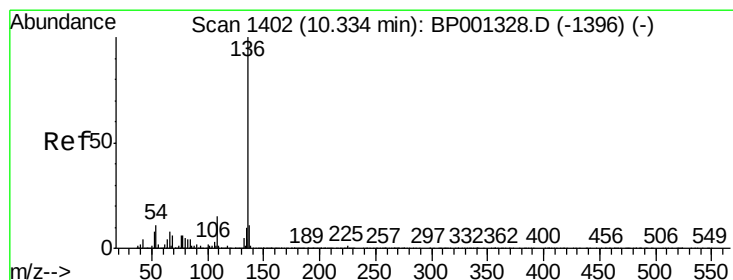
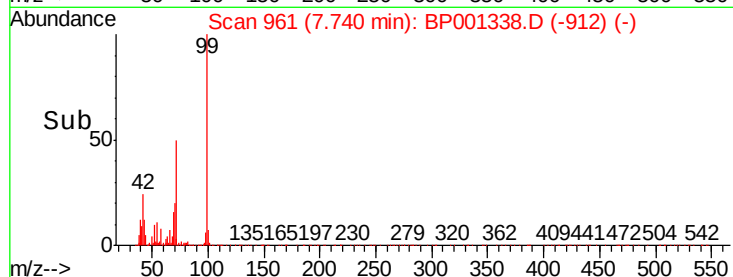
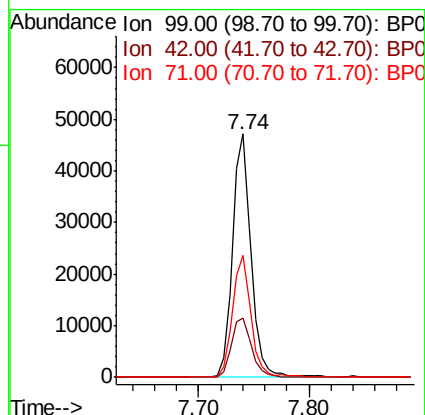
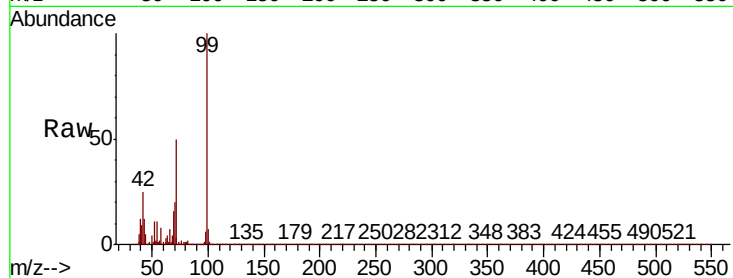
Tot Ion: 99 Resp: 55495

Ion Ratio Lower Upper

99 100

42 24.6 20.9 31.3

71 49.9 40.0 60.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.33 min Scan# 1402

Delta R.T. 0.00 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Tgt Ion: 136 Resp: 250028

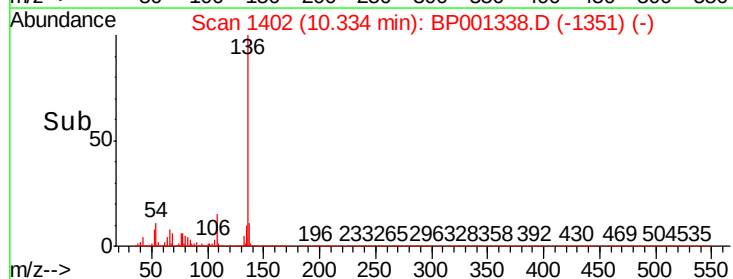
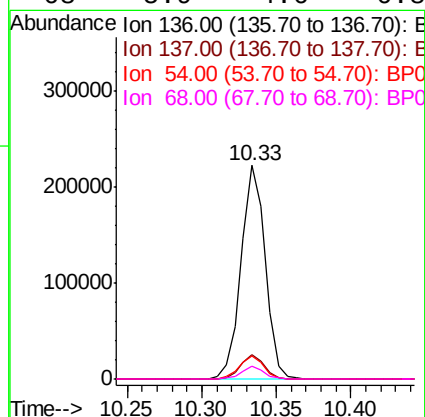
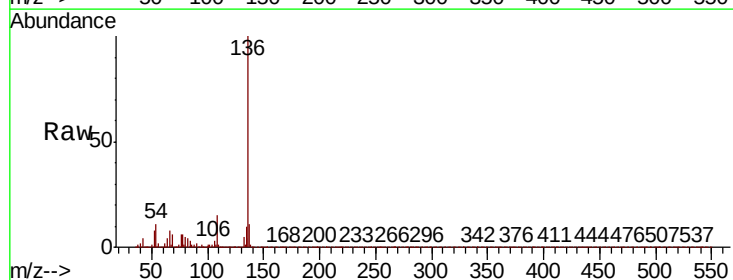
Ion Ratio Lower Upper

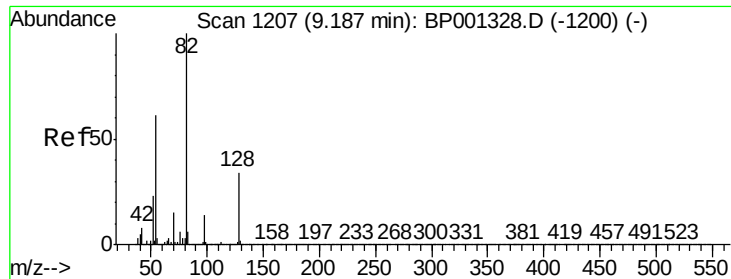
136 100

137 11.2 8.8 13.2

54 10.6 8.8 13.2

68 5.9 4.6 6.8

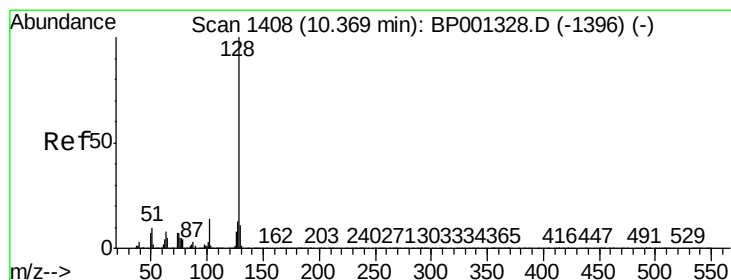
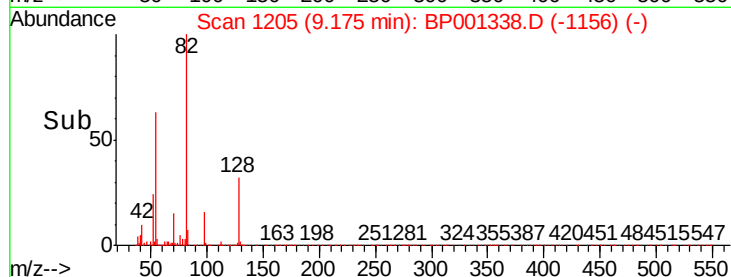
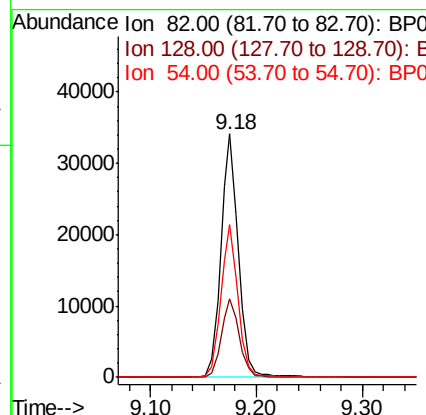
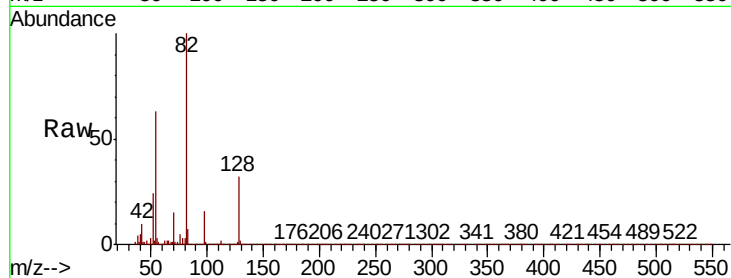




#23
Nitrobenzene-d5
Concen: 6.114 ng
RT: 9.18 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

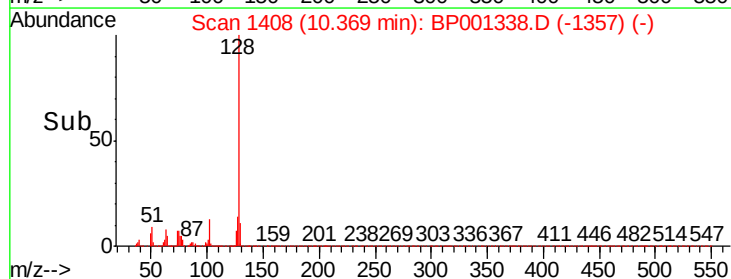
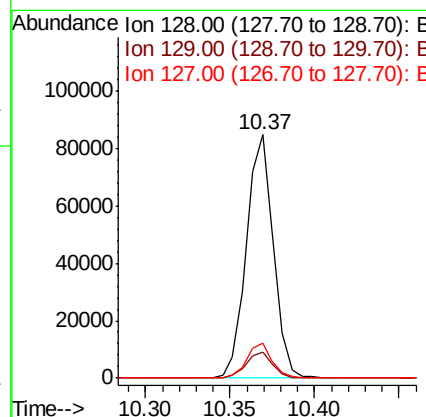
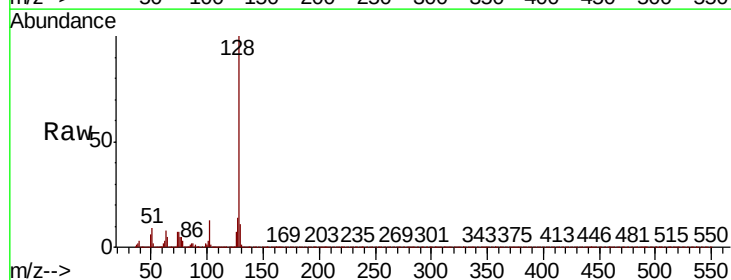
Instrument :
BNA_P
ClientSampleId :
RT-3425DL

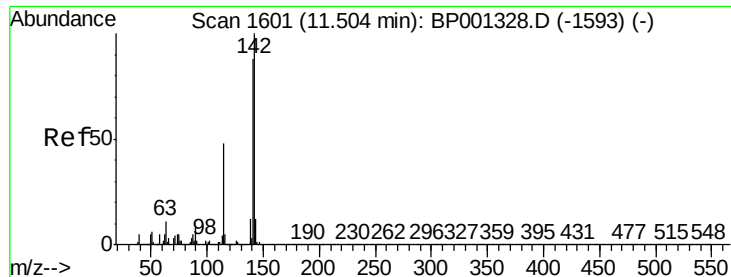
Tot Ion	82	Resp	39805
Ion Ratio	Lower	Upper	
82	100		
128	32.3	27.0	40.4
54	62.5	49.0	73.4



#31
Naphthalene
Concen: 6.904 ng
RT: 10.37 min Scan# 1408
Delta R.T. 0.00 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

Tgt Ion	128	Resp	94229
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	14.5	10.7	16.1

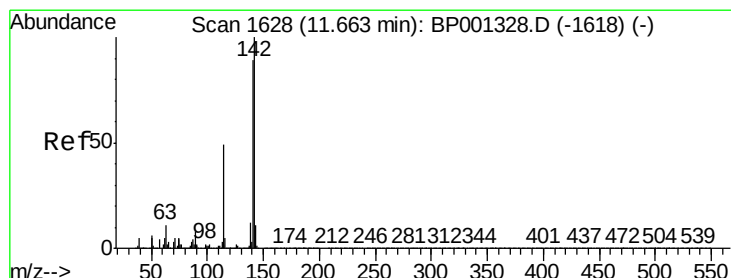
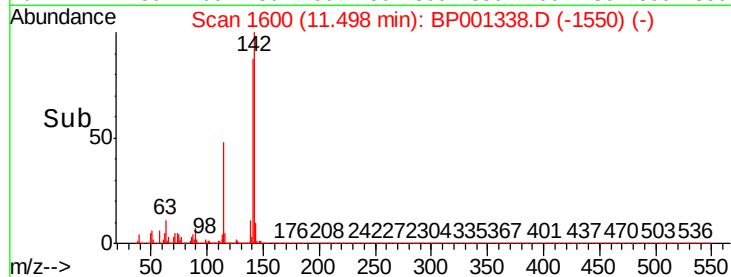
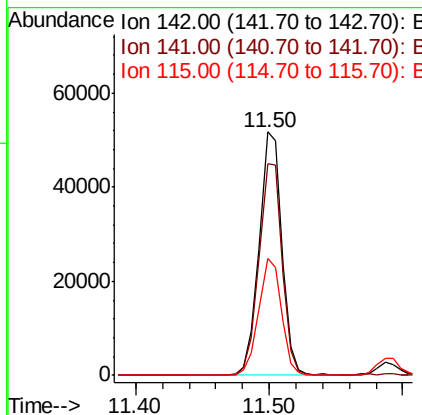
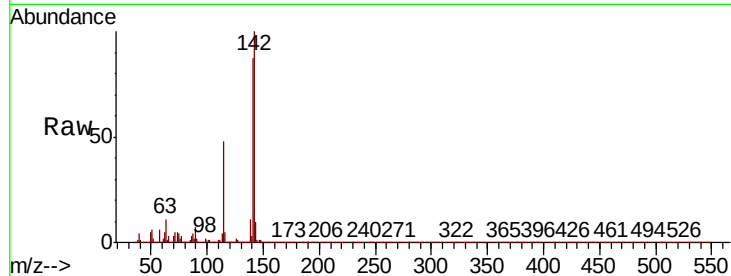




#37
2-Methylnaphthalene
Concen: 6.430 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

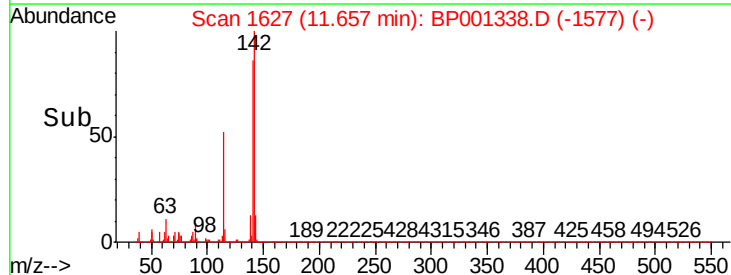
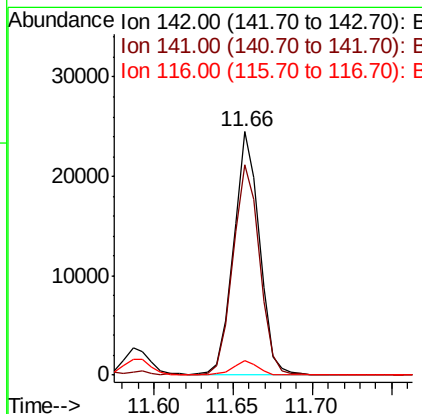
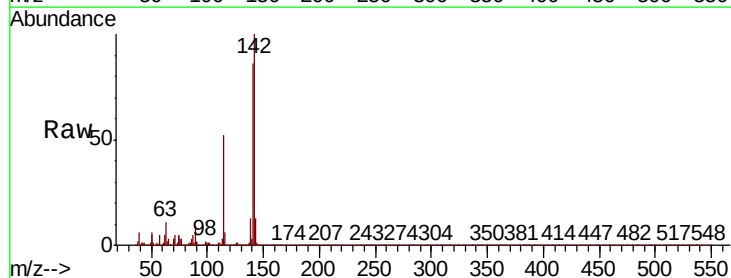
Instrument :
BNA_P
ClientSampleId :
RT-3425DL

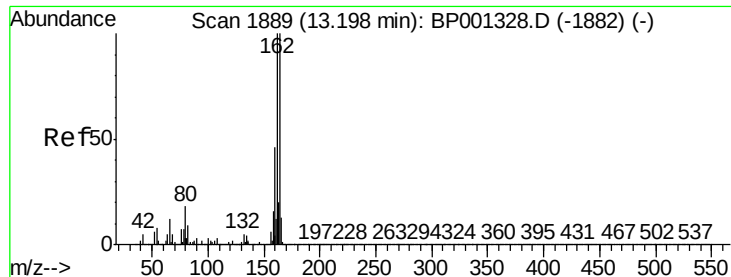
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.2	105.4
115	47.9	38.7	58.1



#38
1-Methylnaphthalene
Concen: 3.116 ng
RT: 11.66 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	71.3	106.9
116	5.7	4.2	6.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1889

Delta R.T. 0.00 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Instrument :

BNA_P

ClientSampleId :

RT-3425DL

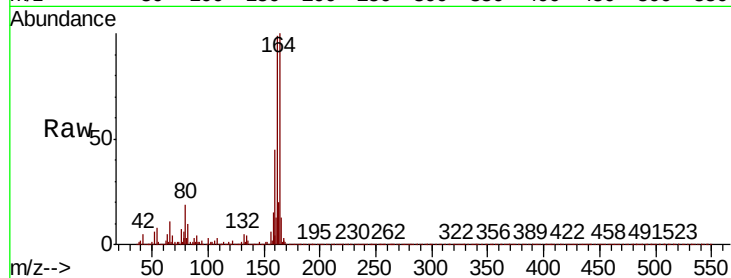
Tot Ion:164 Resp: 144107

Ion Ratio Lower Upper

164 100

162 98.9 80.3 120.5

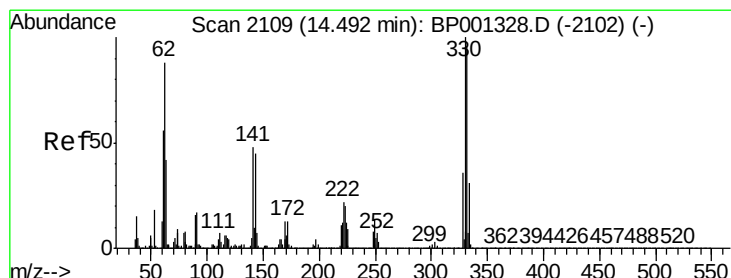
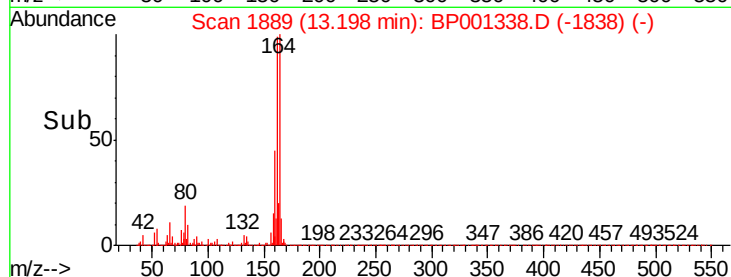
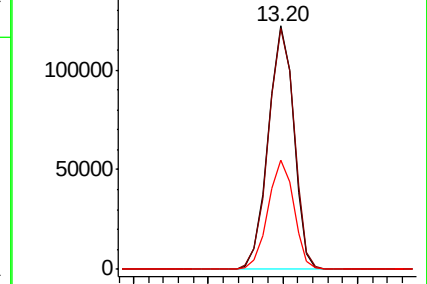
160 44.9 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 5.973 ng

RT: 14.49 min Scan# 2108

Delta R.T. -0.01 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

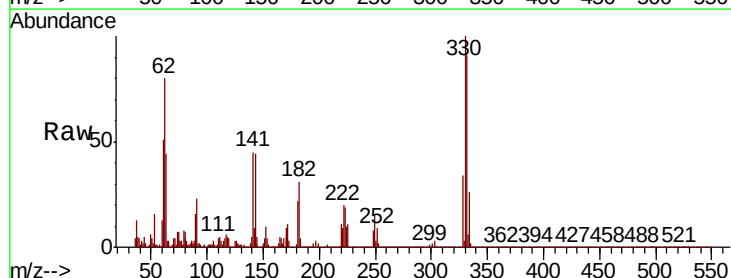
Tgt Ion:330 Resp: 10762

Ion Ratio Lower Upper

330 100

332 94.9 78.7 118.1

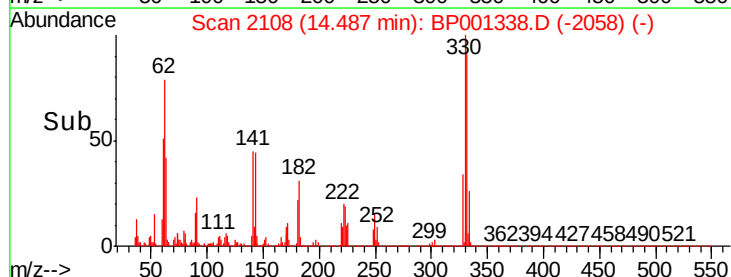
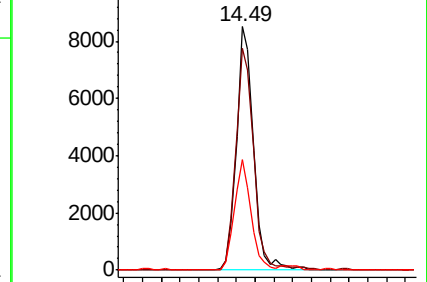
141 44.0 36.2 54.4

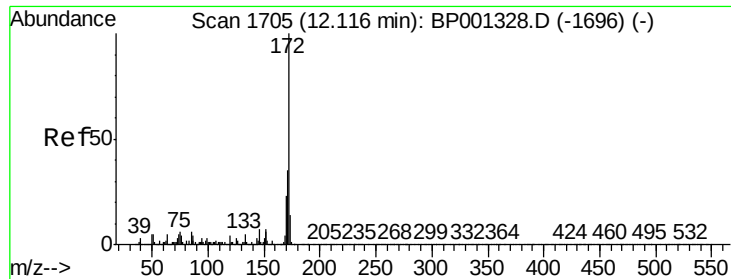


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

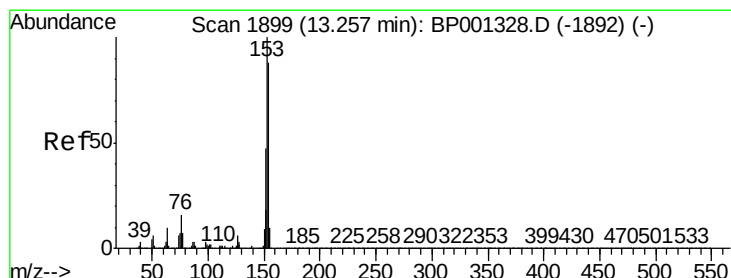
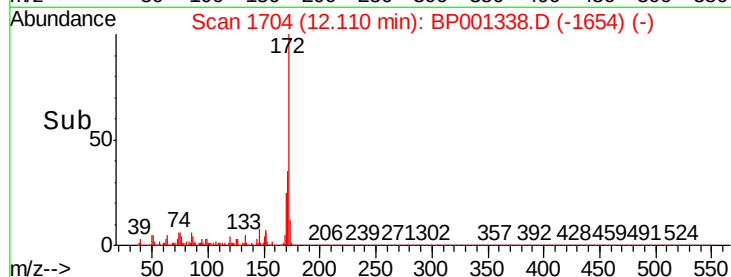
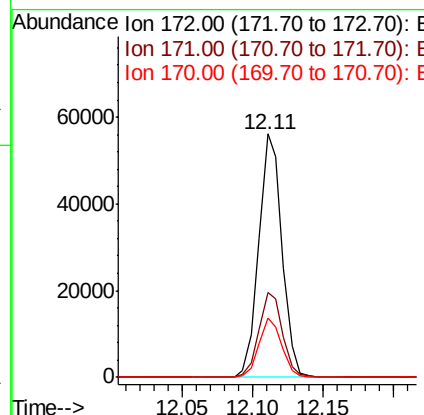
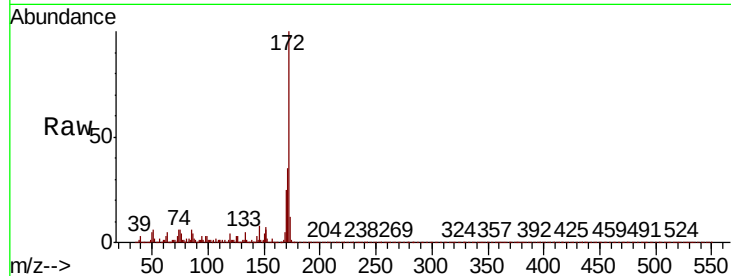




#45
2-Fluorobiphenyl
Concen: 5.737 ng
RT: 12.11 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

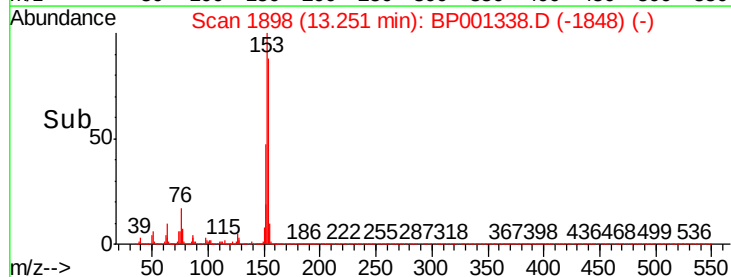
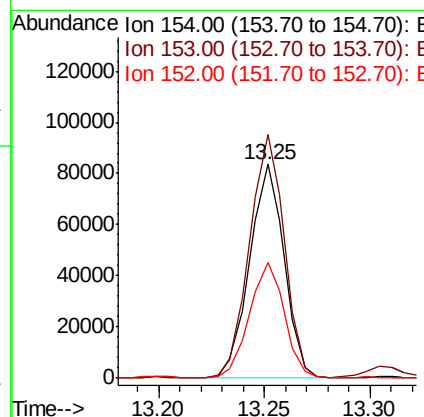
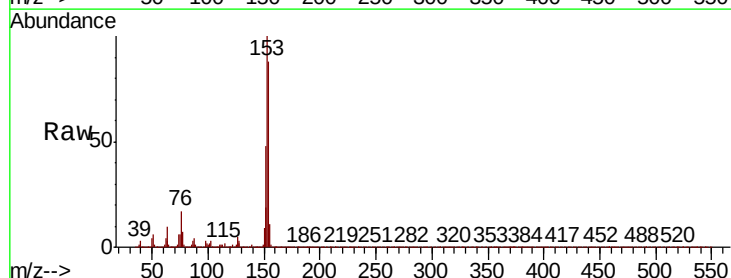
Instrument :
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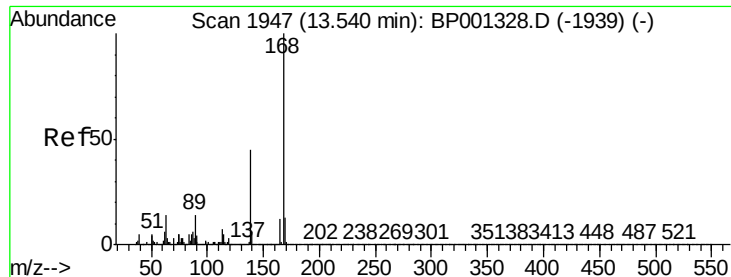
Tot Ion:172 Resp: 65378
Ion Ratio Lower Upper
172 100
171 34.9 27.7 41.5
170 24.6 18.6 28.0



#52
Acenaphthene
Concen: 11.069 ng
RT: 13.25 min Scan# 1898
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

Tgt Ion:154 Resp: 95046
Ion Ratio Lower Upper
154 100
153 113.8 90.6 135.8
152 54.3 42.4 63.6





#55

Dibenzenofuran

Concen: 6.885 ng

RT: 13.53 min Scan# 1946

Delta R.T. -0.01 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Instrument :

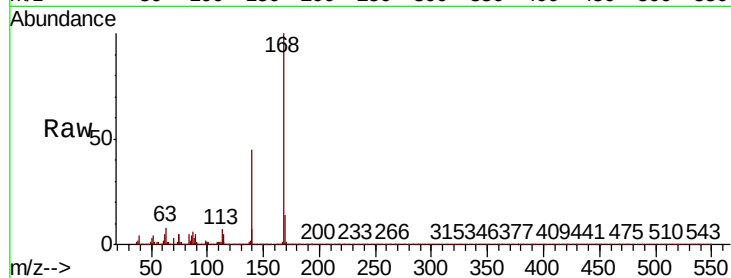
BNA_P

ClientSampleId :

RT-3425DL

Tot Ion:168 Resp: 92630

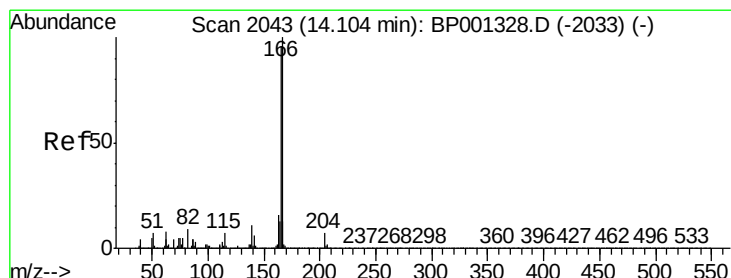
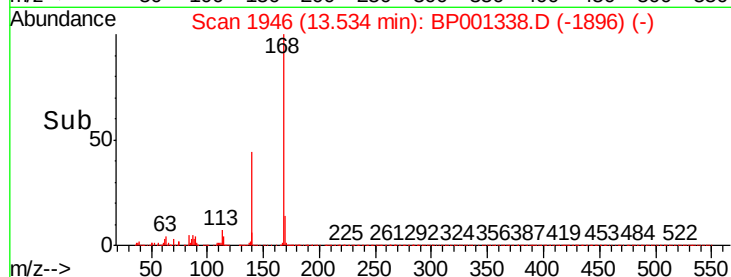
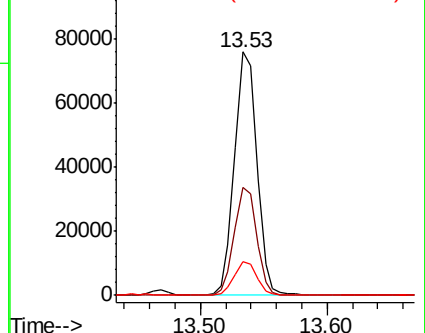
Ion	Ratio	Lower	Upper
168	100		
139	44.5	35.8	53.8
169	13.9	10.5	15.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 8.374 ng

RT: 14.10 min Scan# 2042

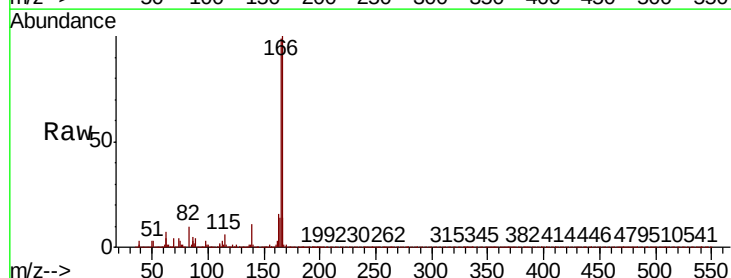
Delta R.T. -0.01 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Tgt Ion:166 Resp: 90105

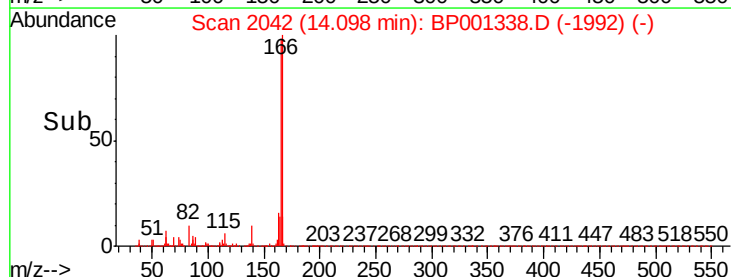
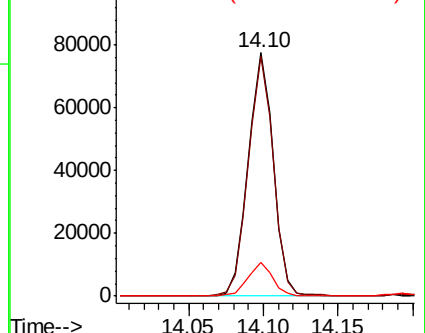
Ion	Ratio	Lower	Upper
166	100		
165	98.5	76.9	115.3
167	14.1	10.3	15.5

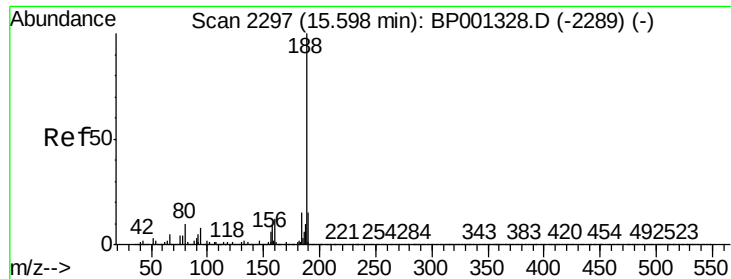


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

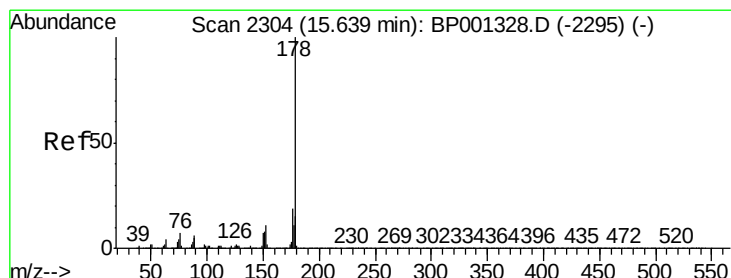
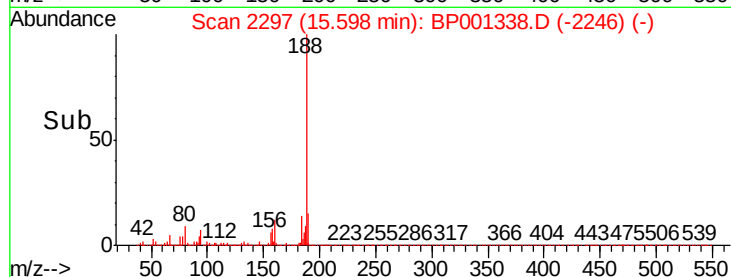
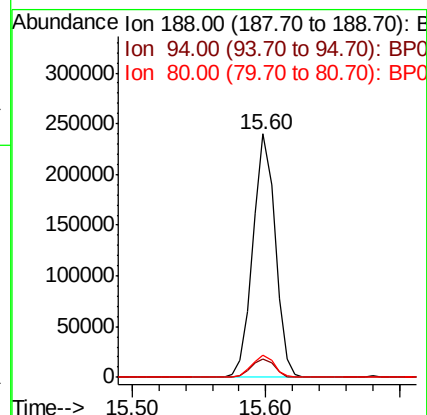
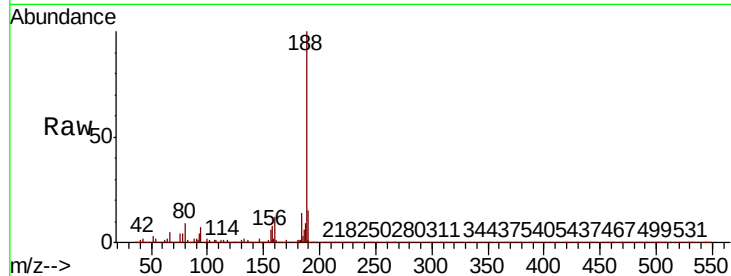




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.00 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

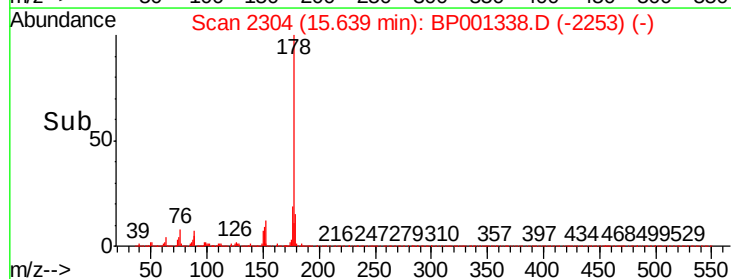
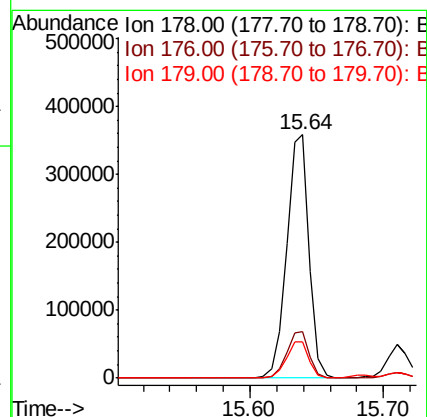
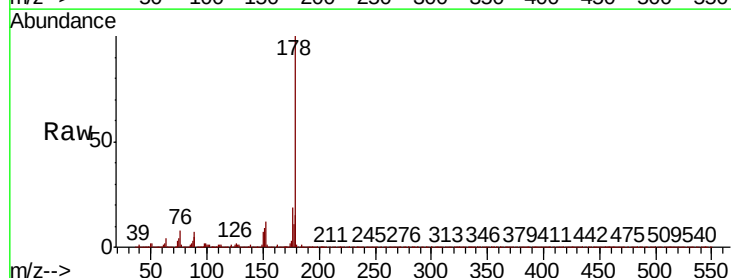
Instrument :
BNA_P
ClientSampleId :
RT-3425DL

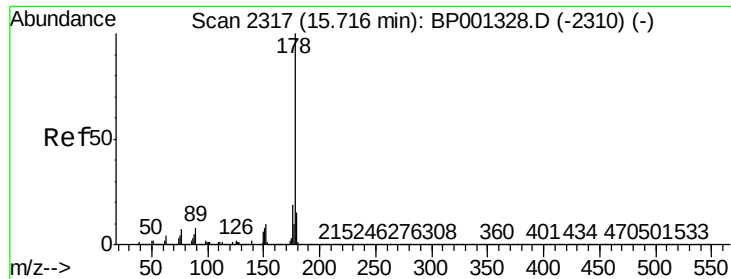
Tot Ion:188 Resp: 273858
Ion Ratio Lower Upper
188 100
94 7.4 6.6 10.0
80 9.0 7.8 11.6



#71
Phenanthrene
Concen: 26.668 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.00 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

Tgt Ion:178 Resp: 416672
Ion Ratio Lower Upper
178 100
176 19.2 15.2 22.8
179 15.1 12.0 18.0





#72

Anthracene

Concen: 3.501 ng

RT: 15.71 min Scan# 2316

Delta R.T. -0.01 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Instrument :

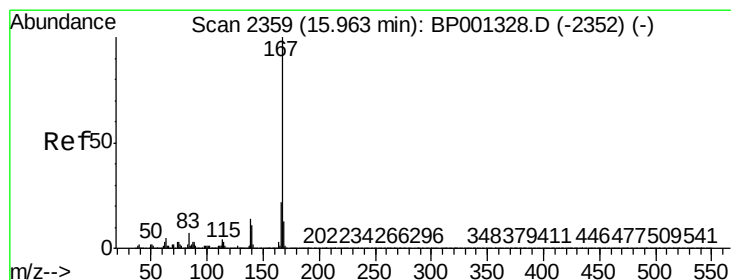
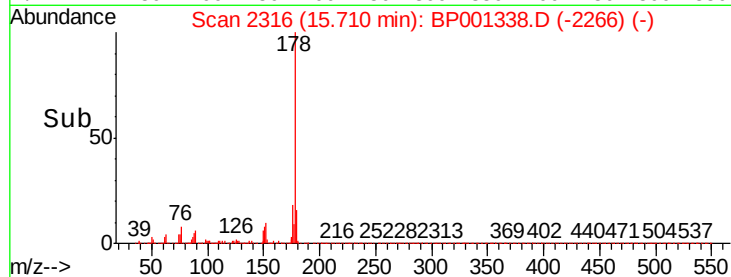
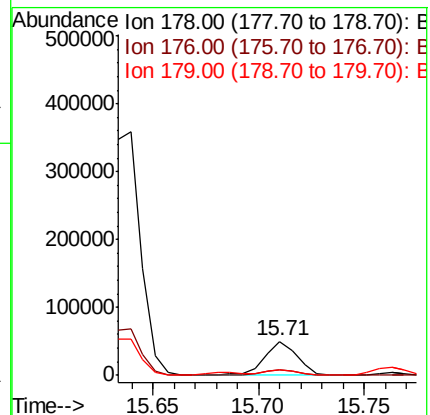
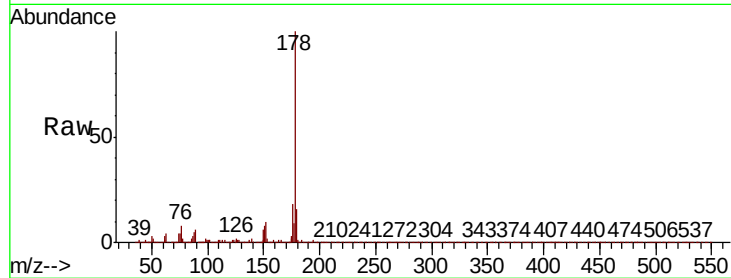
BNA_P

ClientSampleId :

RT-3425DL

Tot Ion:178 Resp: 54151

Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.0	22.6
179	15.9	11.9	17.9



#73

Carbazole

Concen: 2.378 ng

RT: 15.96 min Scan# 2358

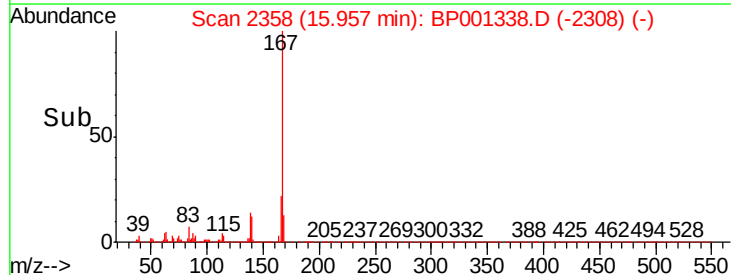
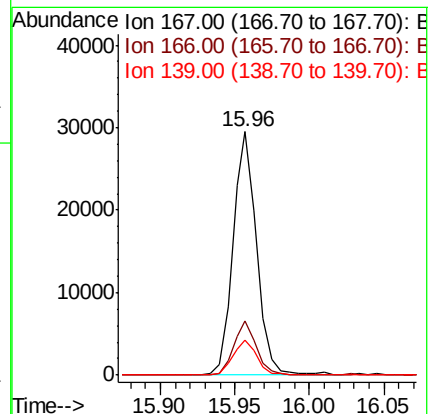
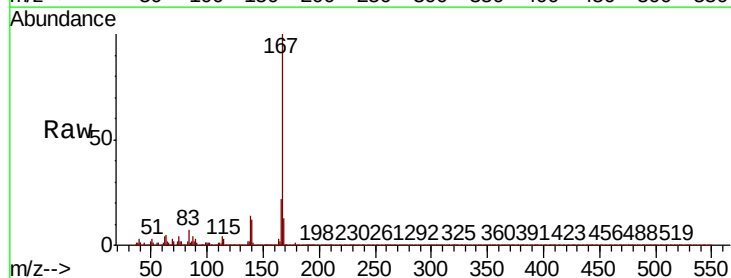
Delta R.T. -0.01 min

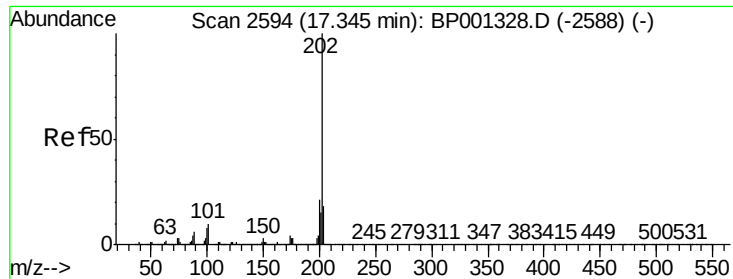
Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Tgt Ion:167 Resp: 32789

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	14.3	11.1	16.7





#75

Fluoranthene

Concen: 13.618 ng

RT: 17.35 min Scan# 2594

Delta R.T. 0.00 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

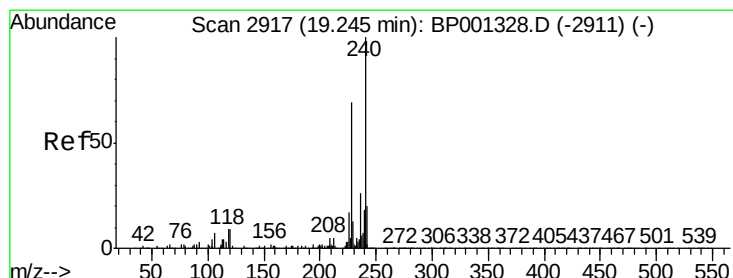
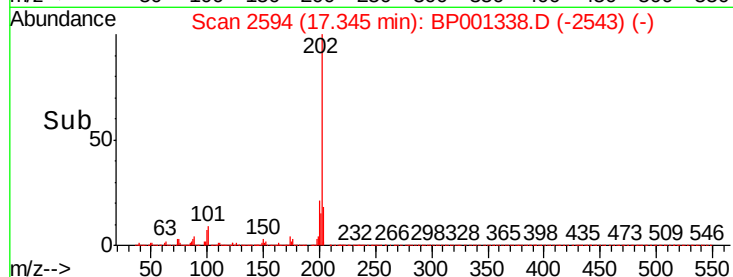
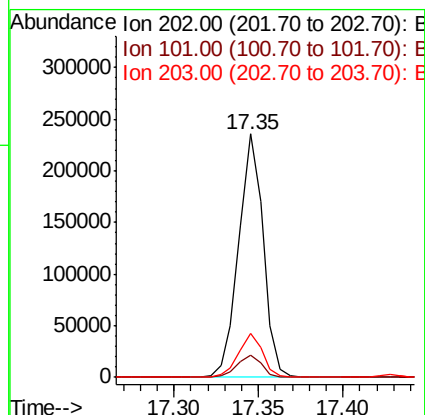
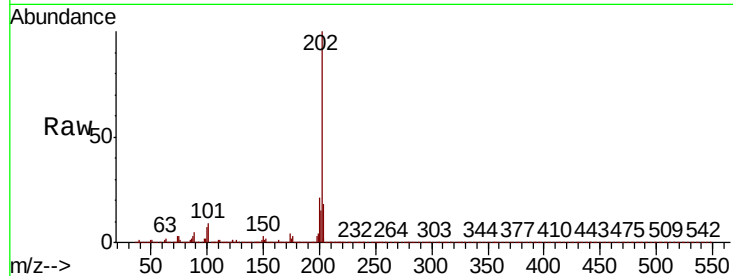
Instrument :

BNA_P

ClientSampleId :

RT-3425DL

Tot Ion:	202	Resp:	237916
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	29.9
203	17.8	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

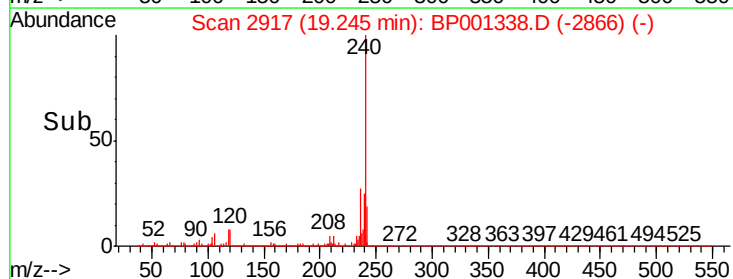
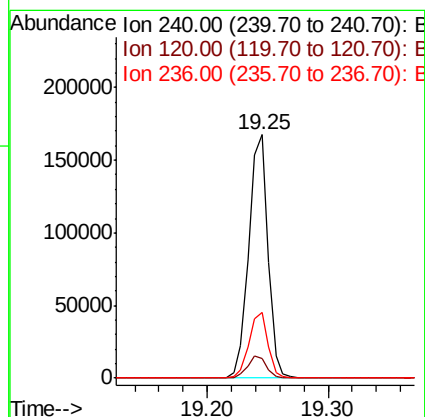
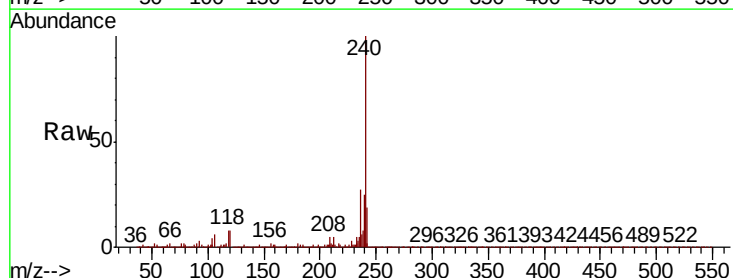
RT: 19.25 min Scan# 2917

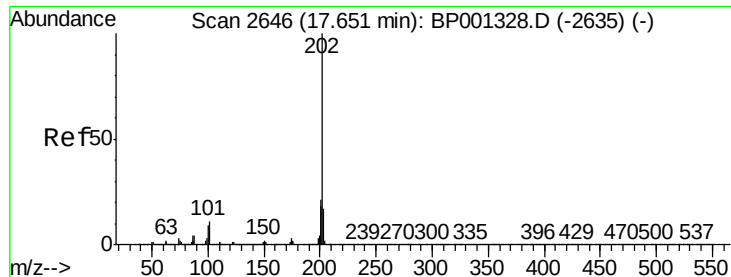
Delta R.T. 0.00 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

Tgt Ion:	240	Resp:	187106
Ion Ratio	Lower	Upper	
240	100		
120	7.8	7.6	11.4
236	27.2	21.0	31.4





#78

Pvrene

Concen: 10.867 ng

RT: 17.65 min Scan# 2646

Delta R.T. 0.00 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

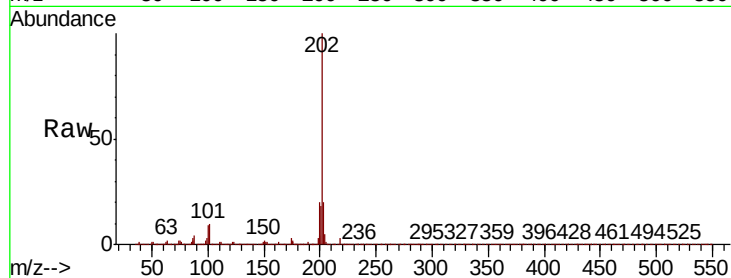
Instrument :

BNA_P

ClientSampleId :

RT-3425DL

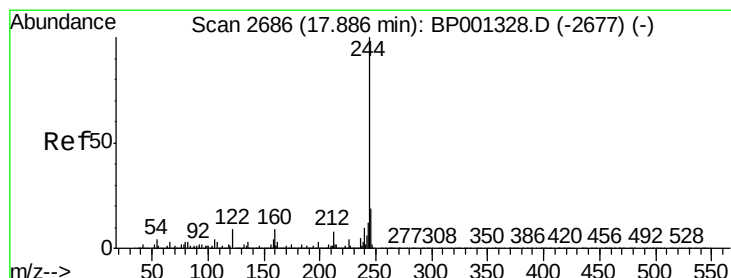
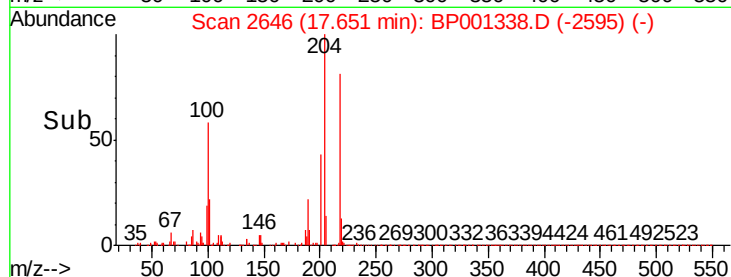
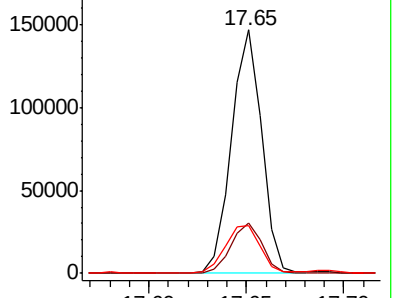
Tot Ion:	202	Resp:	157869
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.8	25.2
203	19.7	13.8	20.8



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: 6.586 ng

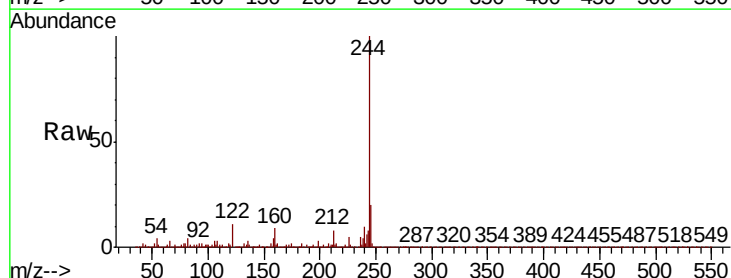
RT: 17.88 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BP001338.D

Acq: 20 Dec 2019 12:01

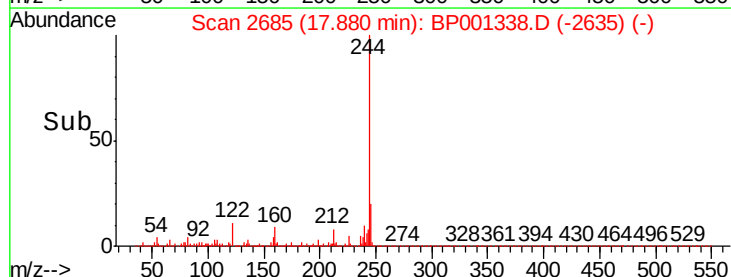
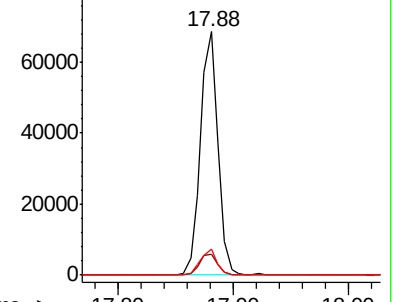
Tgt Ion:	244	Resp:	71947
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.6	9.8
122	10.6	7.6	11.4

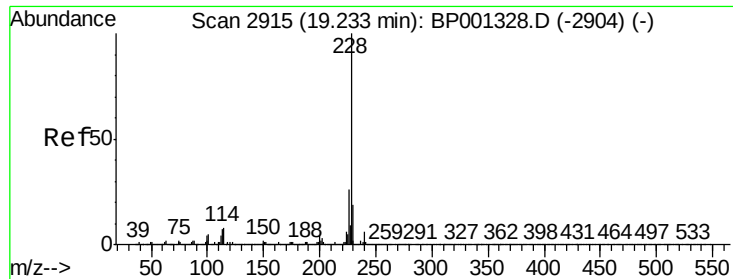


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

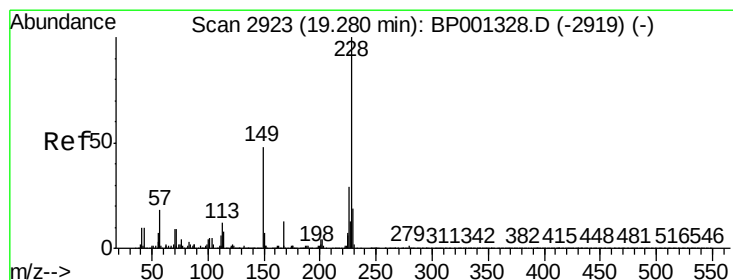
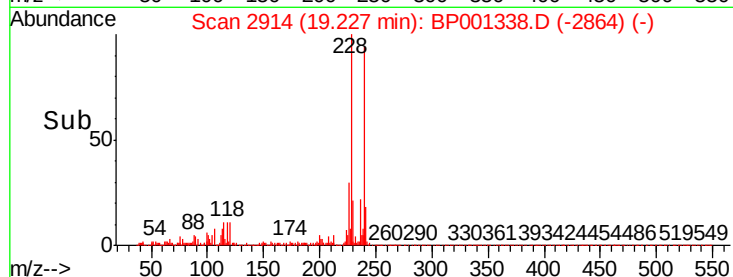
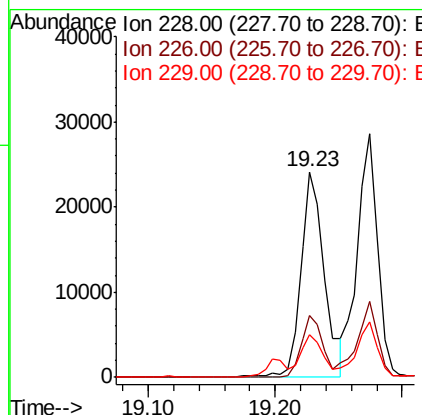
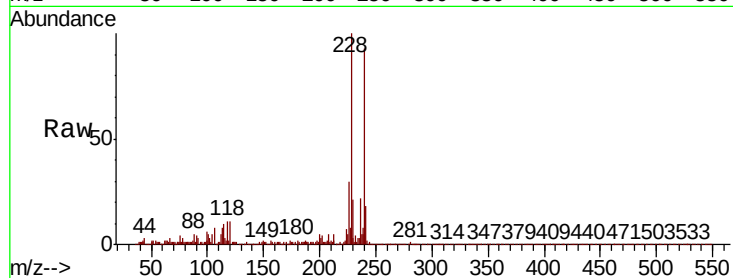




#81
Benzo(a)anthracene
Concen: 2.282 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

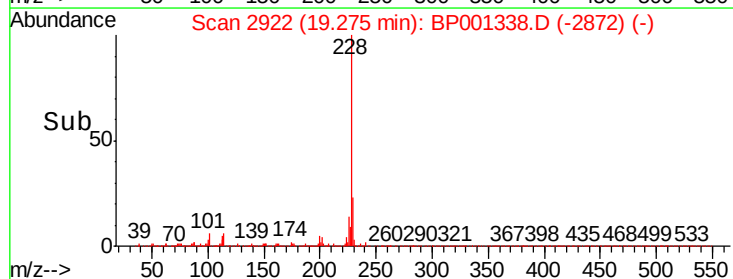
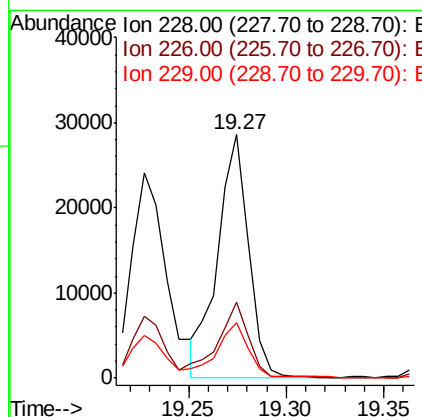
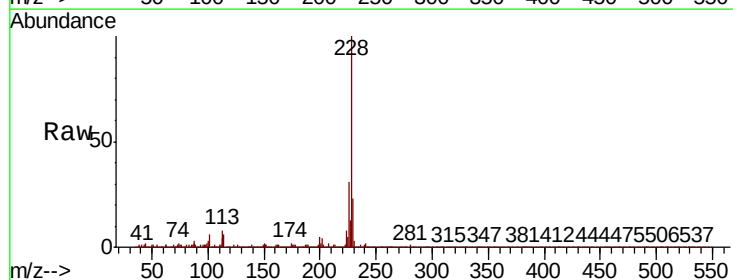
Instrument :
BNA_P
ClientSampleId :
RT-3425DL

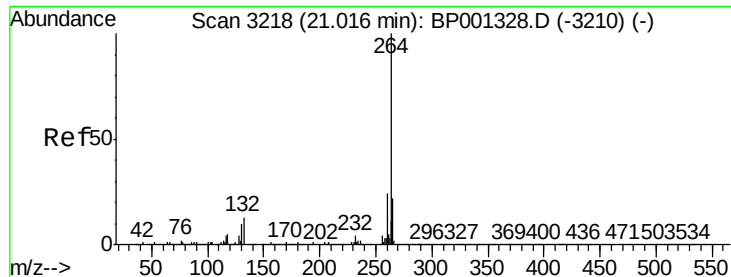
Tot Ion:228	Resp:	31116
Ion	Ratio	Lower Upper
228	100	
226	30.0	21.2 31.8
229	20.7	15.4 23.0



#83
Chrysene
Concen: 2.416 ng
RT: 19.27 min Scan# 2922
Delta R.T. -0.01 min
Lab File: BP001338.D
Acq: 20 Dec 2019 12:01

Tgt Ion:228	Resp:	31797
Ion	Ratio	Lower Upper
228	100	
226	31.4	23.1 34.7
229	22.8	15.4 23.2





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 21.02 min Scan# 3218
 Delta R.T. 0.00 min
 Lab File: BP001338.D
 Acq: 20 Dec 2019 12:01

Instrument :
 BNA_P
 ClientSampleId :
 RT-3425DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	21.6	17.4	26.2

