

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
 Data File : BP001322.D
 Acq On : 11 Dec 2019 20:28
 Operator : JU
 Sample : K6247-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR200059

Manual Integrations
 APPROVED

mohammad
 12/12/2019 11:34:21 AM

Quant Time: Dec 12 08:00:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	73800	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	263670	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	141353	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	247343	20.00	ng	0.00
76) Chrysene-d12	19.24	240	182637	20.00	ng	-0.02
87) Perylene-d12	21.01	264	193125	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	427908	96.20	ng	0.01
7) Phenol-d6	7.76	99	581067	98.05	ng	0.00
23) Nitrobenzene-d5	9.19	82	415951	68.44	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	142734	105.35	ng	0.00
45) 2-Fluorobiphenyl	12.12	172	709217	73.43	ng	-0.01
79) Terphenyl-d14	17.88	244	717757	72.71	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.38	128	353875	26.279	ng	99
37) 2-Methylnaphthalene	11.50	142	224330	24.413	ng	97
38) 1-Methylnaphthalene	11.66	142	102699	11.832	ng	97
46) 1,1'-Biphenyl	12.28	154	73398	6.719	ng	97
50) Dimethylphthalate	12.79	163	30502	2.885	ng	99
52) Acenaphthene	13.26	154	334567	42.522	ng	98
55) Dibenzofuran	13.54	168	304402	25.746	ng	97
58) Fluorene	14.10	166	294452	31.080	ng	98
71) Phenanthrene	15.65	178	1303526	100.243	ng	100
72) Anthracene	15.72	178	143597	11.204	ng	99
73) Carbazole	15.96	167	75318	6.458	ng	99
75) Fluoranthene	17.35	202	800985	58.184	ng	99
78) Pyrene	17.66	202	534420	37.151	ng	98
81) Benzo(a)anthracene	19.23	228	117495	9.279	ng	98
83) Chrysene	19.27	228	123420m	10.884	ng	
88) Benzo(b)fluoranthene	20.52	252	91658m	7.770	ng	
89) Benzo(k)fluoranthene	20.55	252	26960m	2.373	ng	
90) Benzo(a)pyrene	20.93	252	43634	4.016	ng	94

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

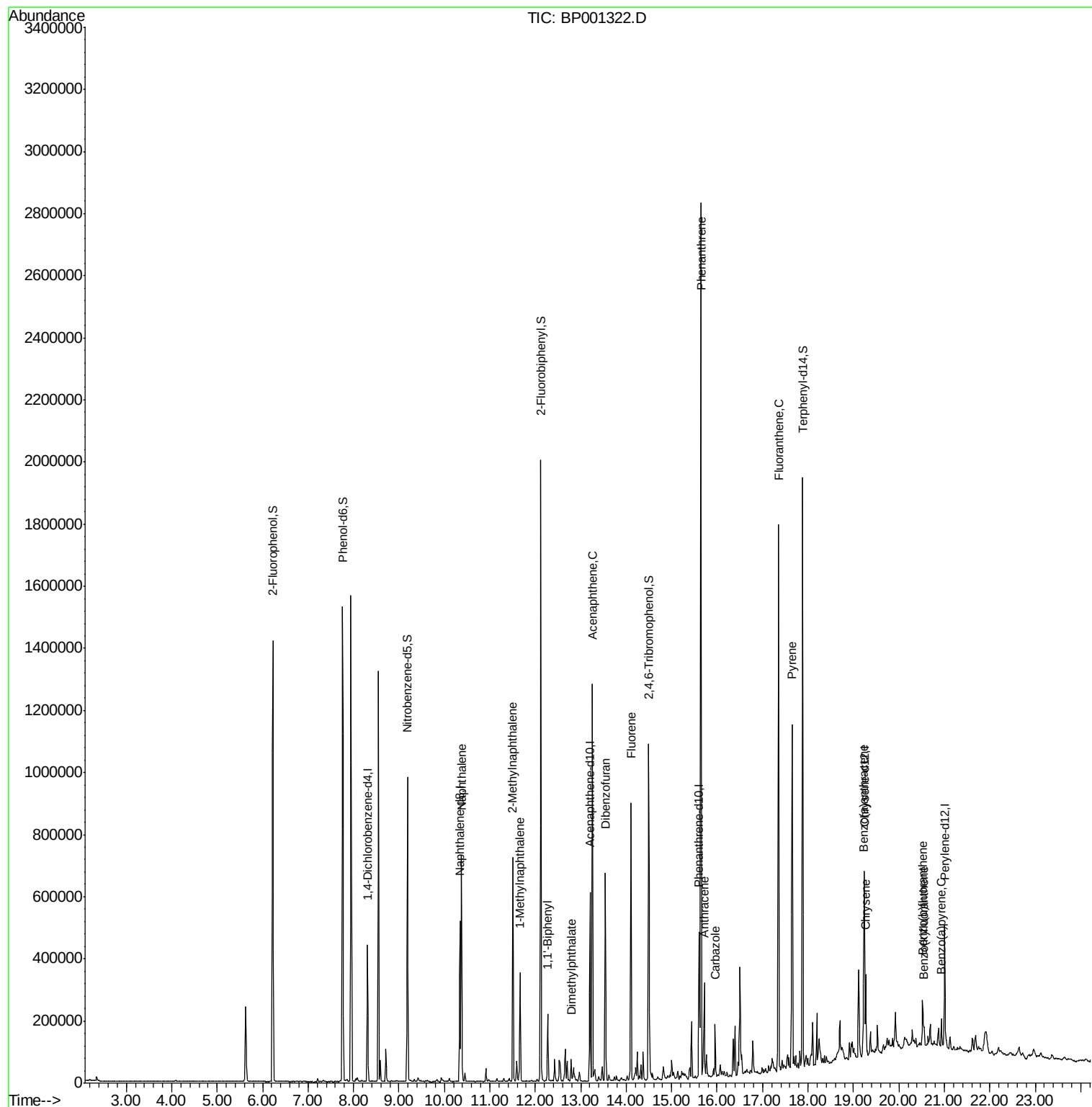
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
Data File : BP001322.D
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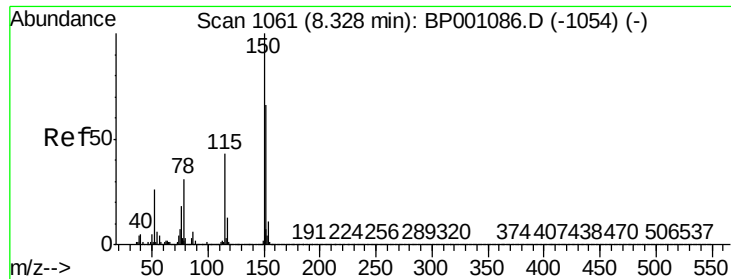
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

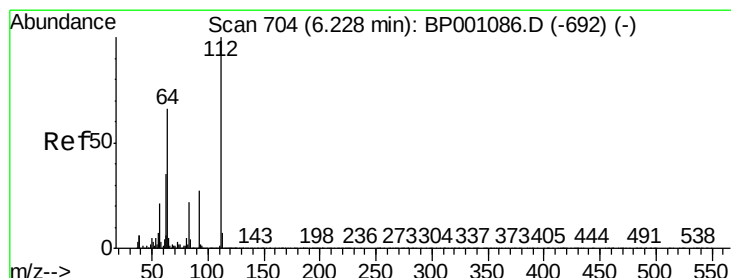
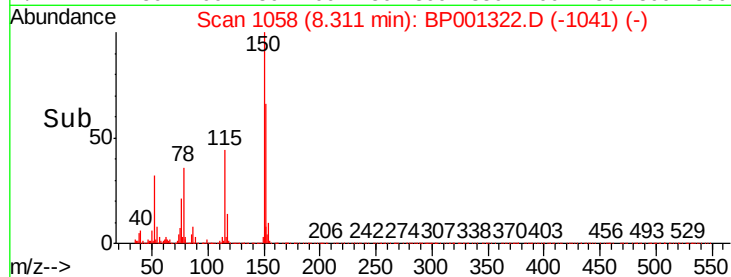
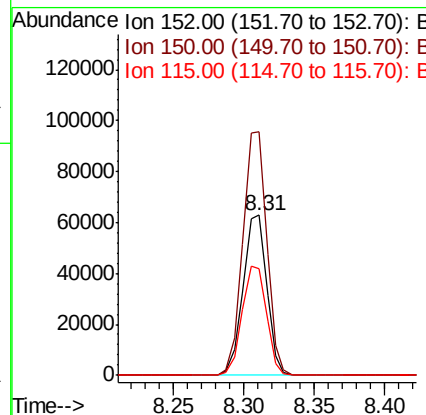
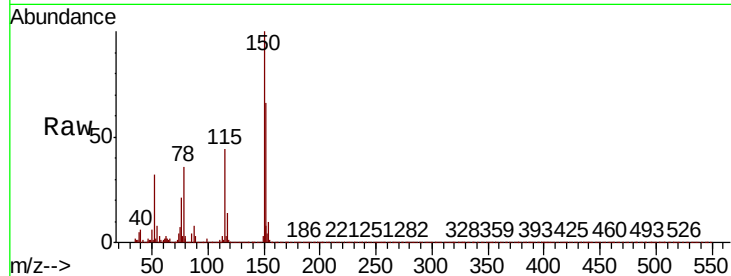
ClientSampleId :

RBR200059

Tot Ion:	152	Resp:	73800
Ion Ratio	Lower	Upper	
152	100		
150	151.9	127.3	190.9
115	66.2	56.0	84.0

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#5

2-Fluorophenol

Concen: 96.197 ng

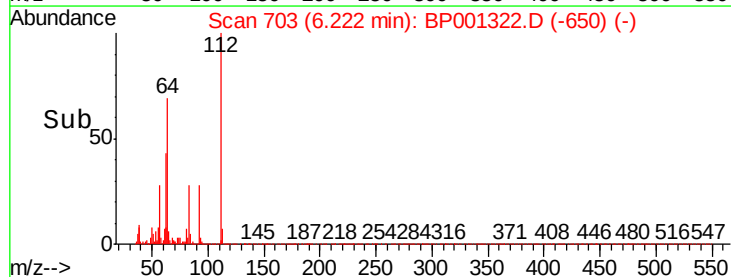
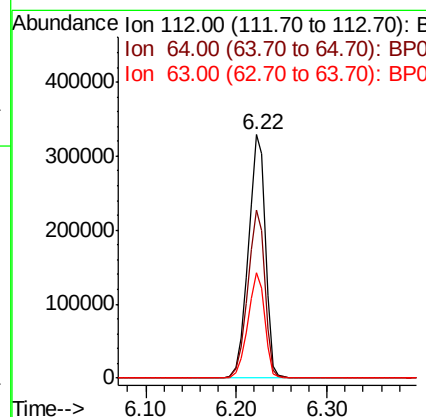
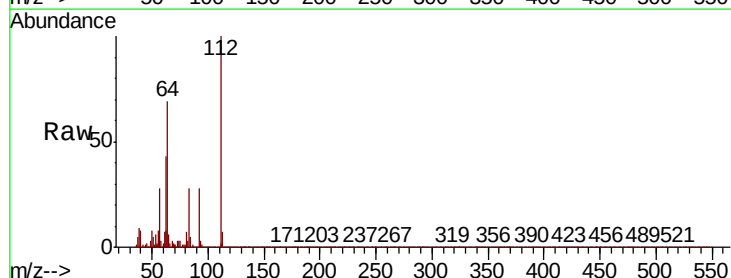
RT: 6.22 min Scan# 703

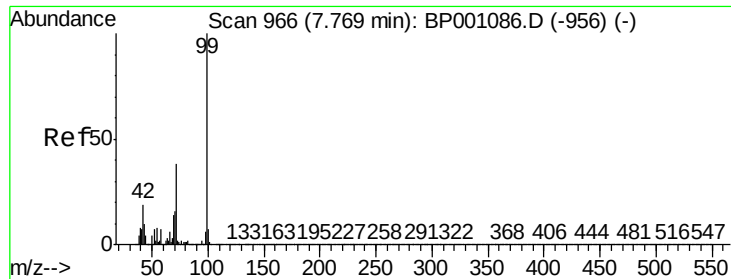
Delta R.T. 0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	112	Resp:	427908
Ion Ratio	Lower	Upper	
112	100		
64	68.9	56.8	85.2
63	43.1	32.2	48.2





#7

Phenol-d6

Concen: 98.051 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

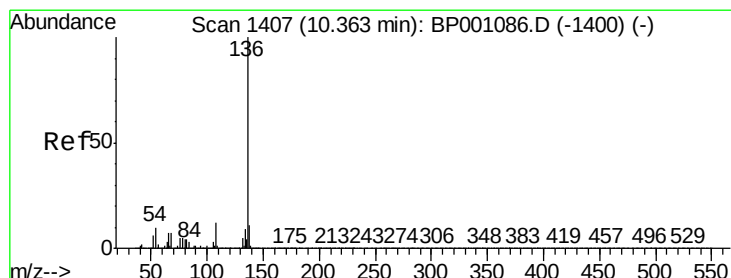
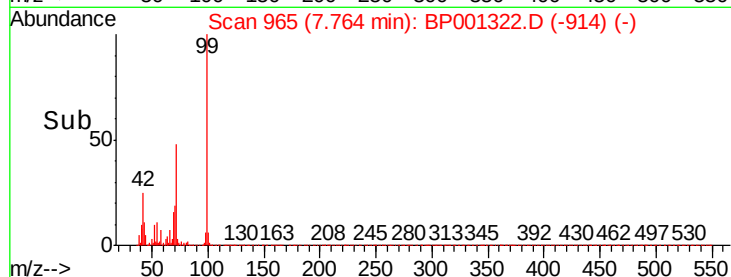
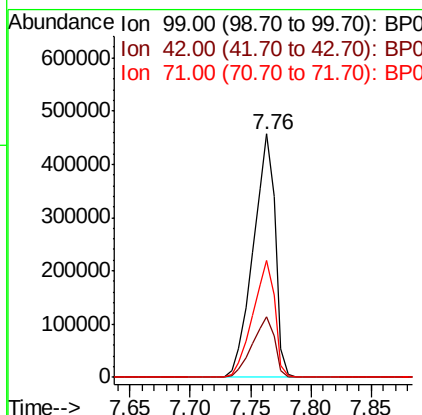
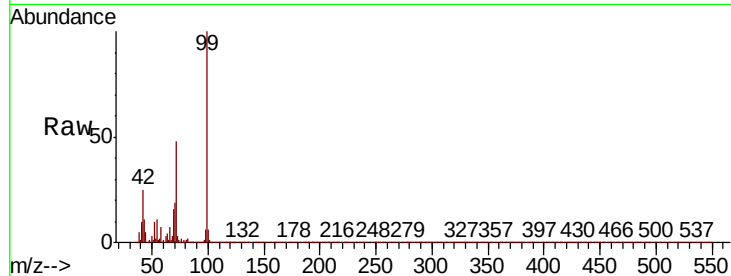
ClientSampleId :

RBR200059

Tot Ion:	99	Resp:	581067
Ion Ratio	Lower	Upper	
99	100		
42	24.7	17.6	26.4
71	48.3	33.8	50.8

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#21

Naphthalene-d8

Concen: 20.000 ng

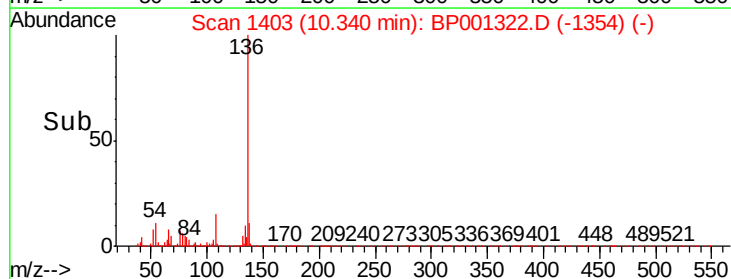
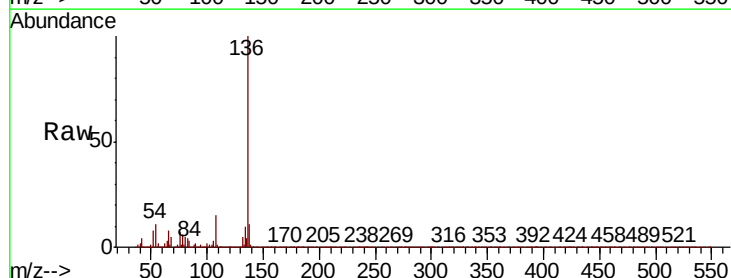
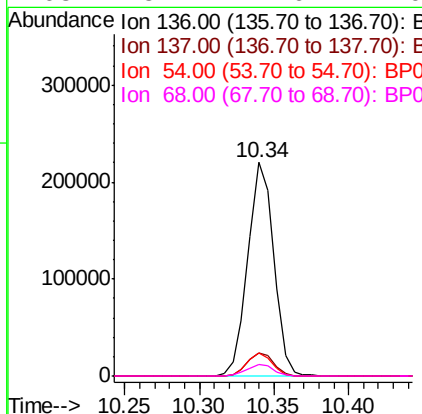
RT: 10.34 min Scan# 1403

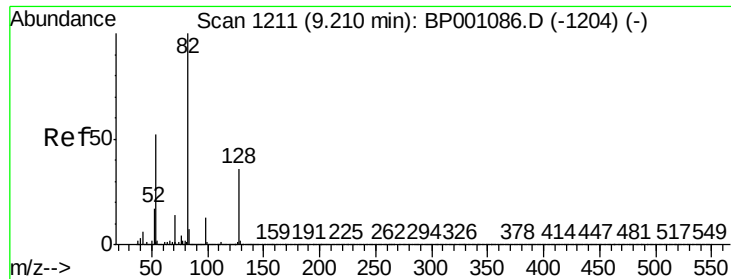
Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	136	Resp:	263670
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.4	12.6
54	10.7	7.4	11.0
68	5.4	4.6	7.0





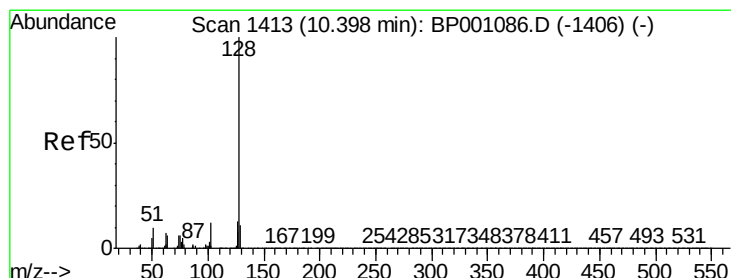
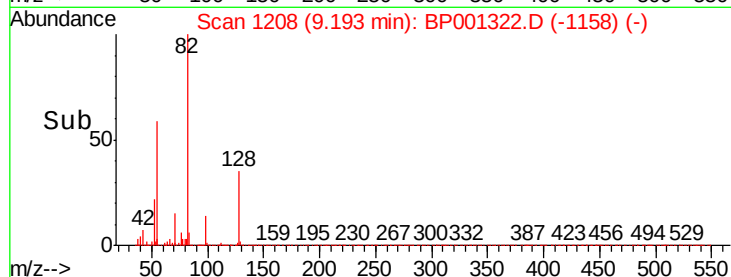
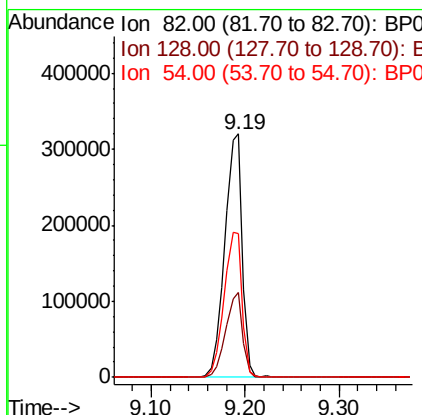
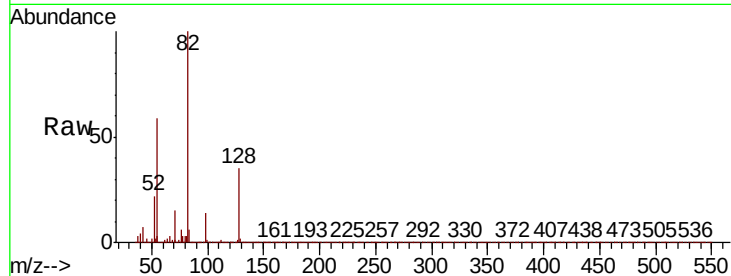
#23
Nitrobenzene-d5
Concen: 68.443 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion	Ratio	Lower	Upper
82	100		
128	35.0	27.5	41.3
54	58.9	45.7	68.5

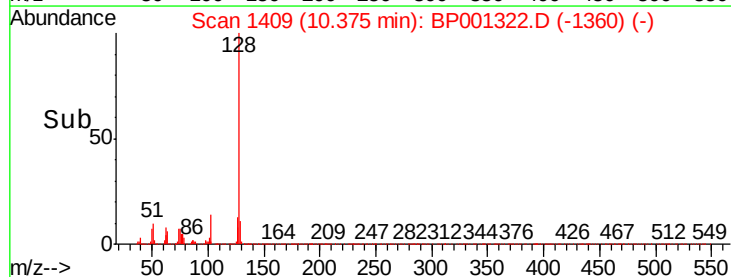
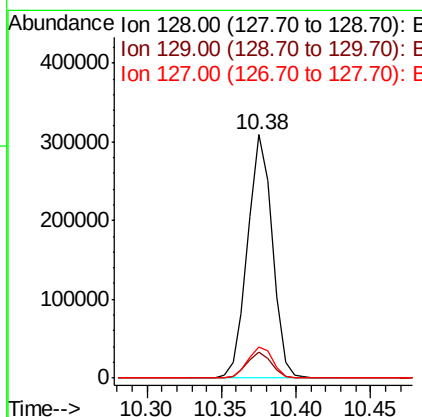
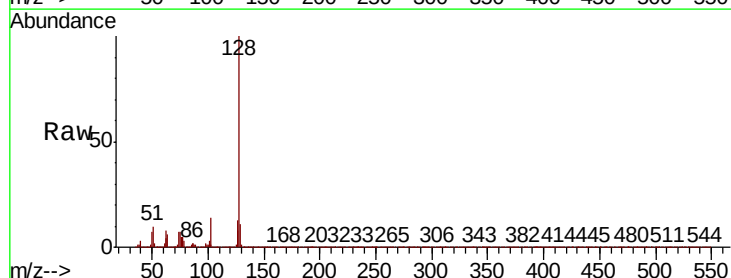
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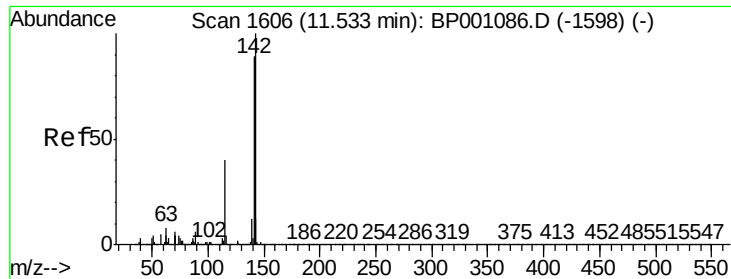
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#31
Naphthalene
Concen: 26.279 ng
RT: 10.38 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	13.0	10.6	16.0





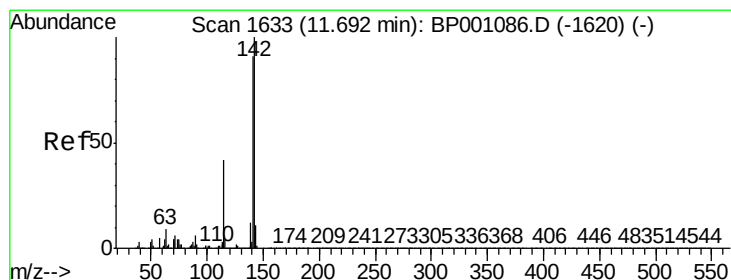
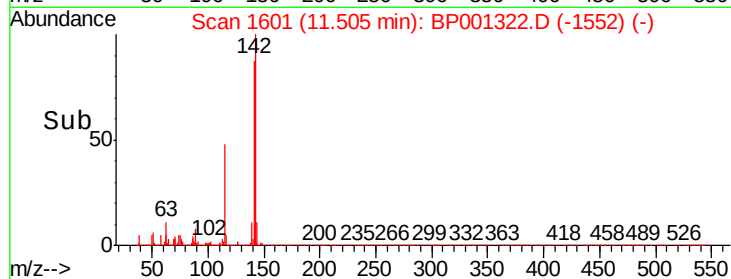
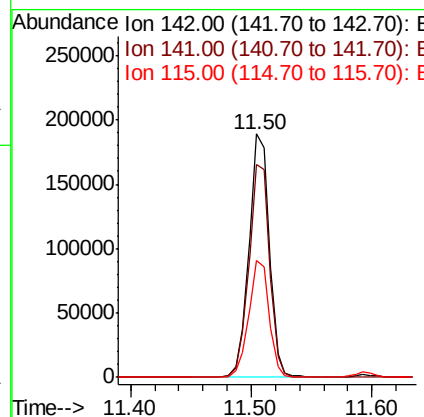
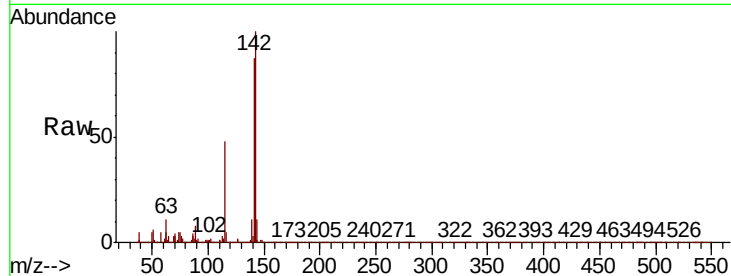
#37
2-Methylnaphthalene
Concen: 24.413 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.4	71.6	107.4
115	48.2	36.0	54.0

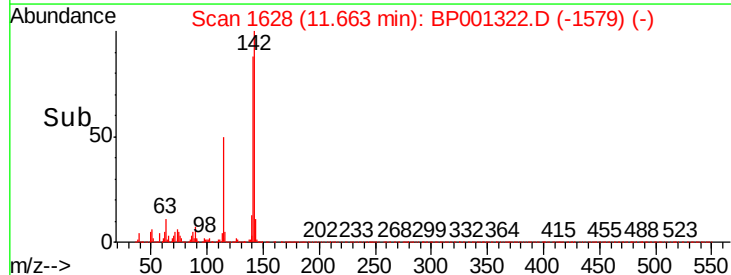
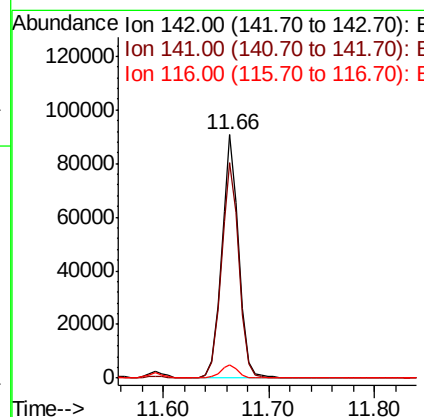
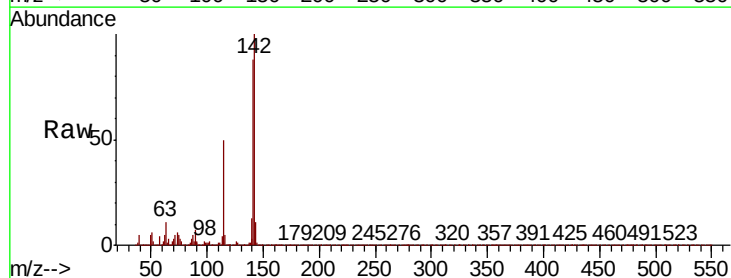
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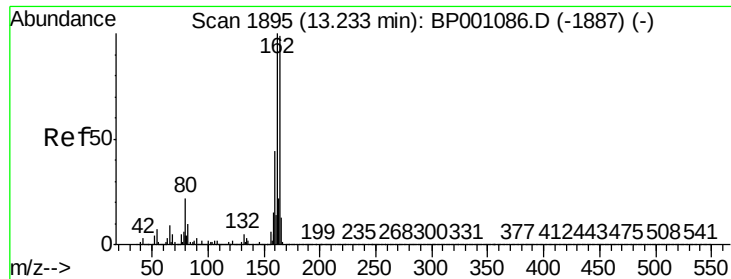
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#38
1-Methylnaphthalene
Concen: 11.832 ng
RT: 11.66 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.7	109.1
116	5.4	3.8	5.6





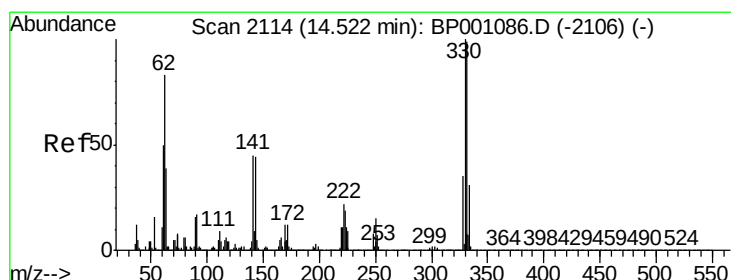
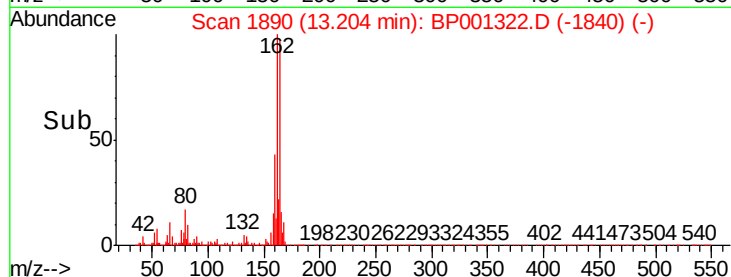
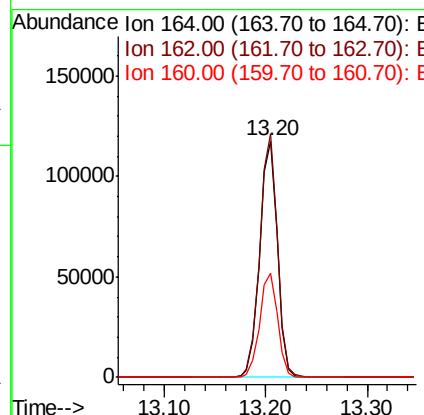
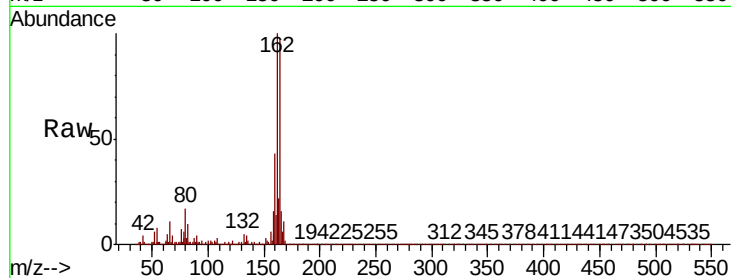
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.1	80.7	121.1
160	44.3	36.3	54.5

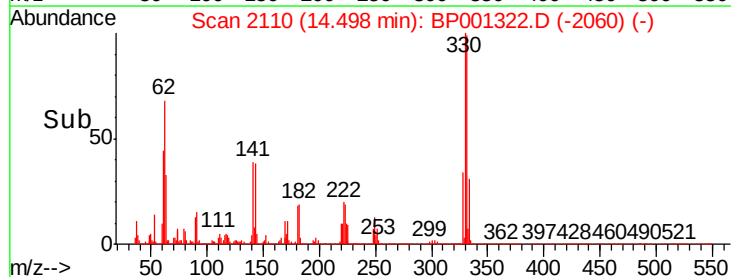
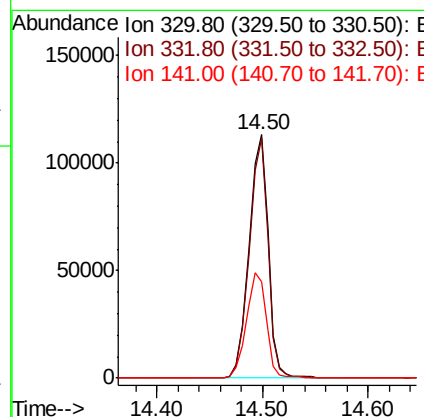
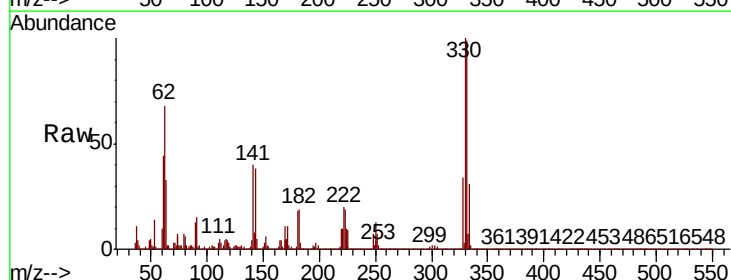
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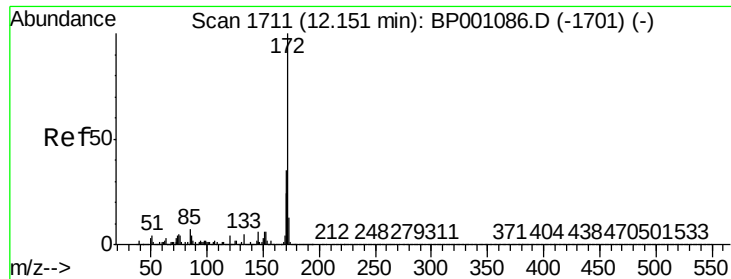
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#42
2,4,6-Tribromophenol
Concen: 105.349 ng
RT: 14.50 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	79.1	118.7
141	44.9	35.9	53.9





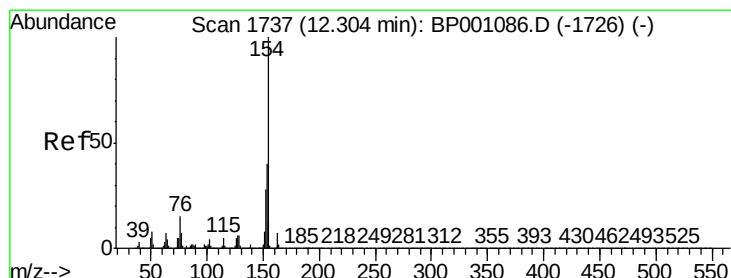
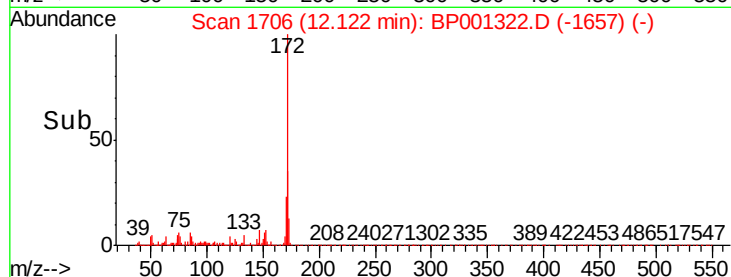
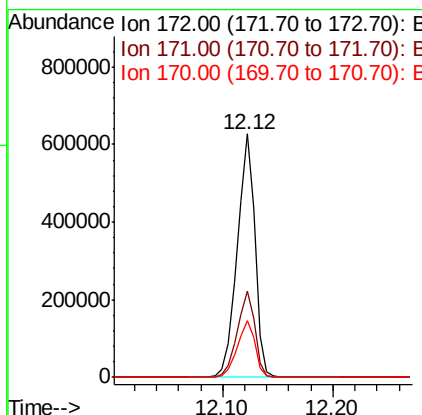
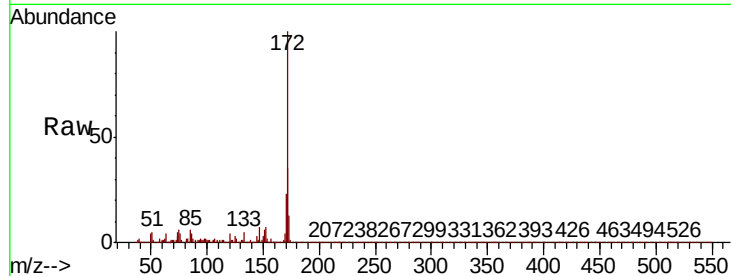
#45
2-Fluorobiphenyl
Concen: 73.433 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.4	19.2	28.8

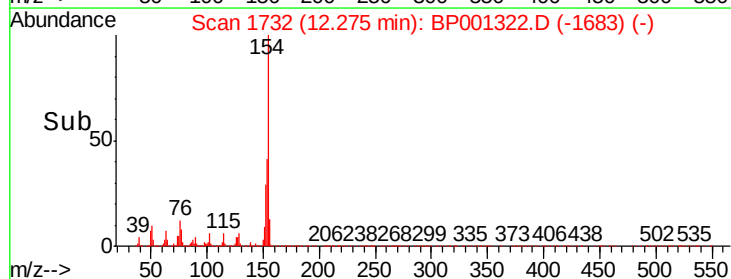
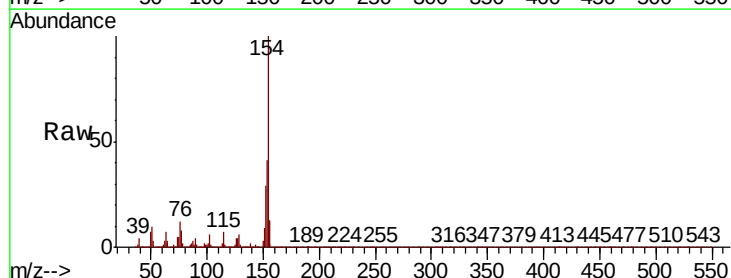
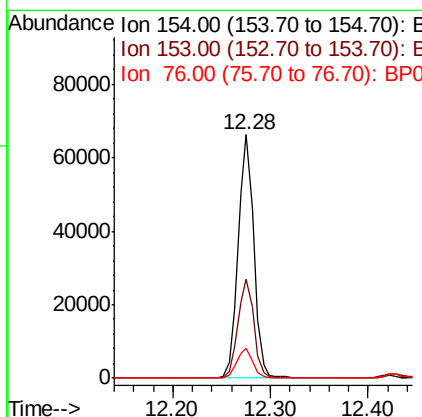
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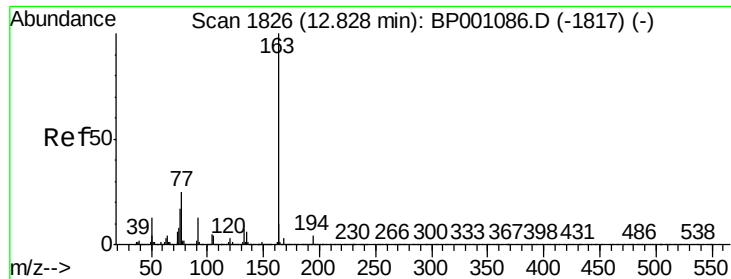
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#46
1,1'-Biphenyl
Concen: 6.719 ng
RT: 12.28 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.9	19.3	59.3
76	12.4	0.0	34.2





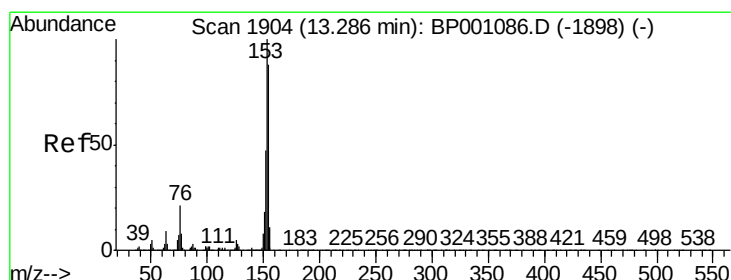
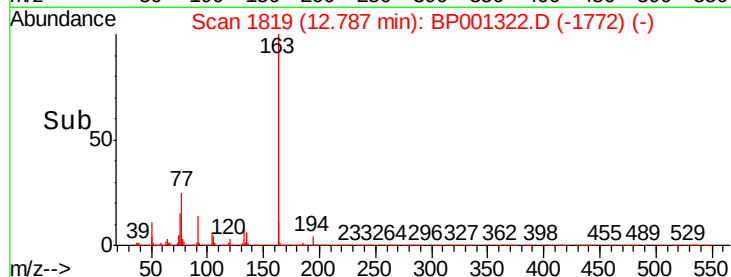
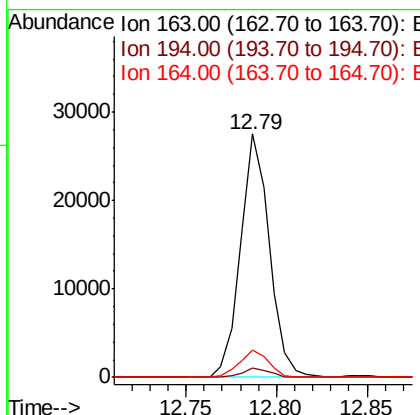
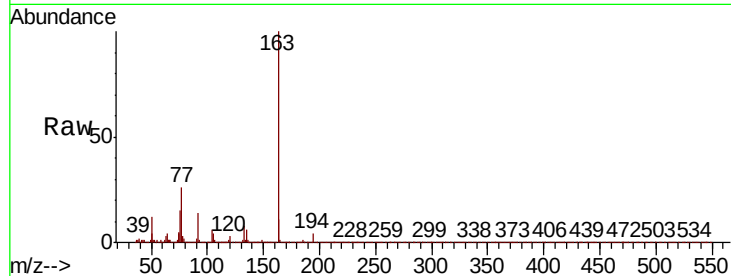
#50
Dimethylphthalate
Concen: 2.885 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	11.0	8.2	12.4

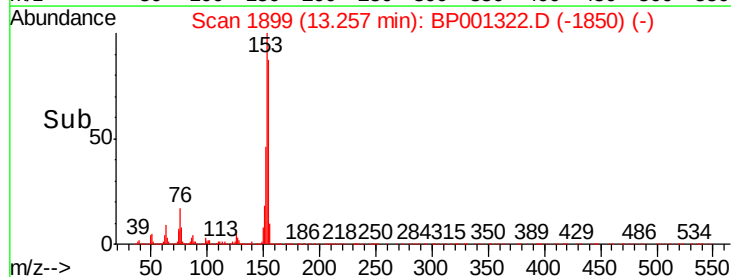
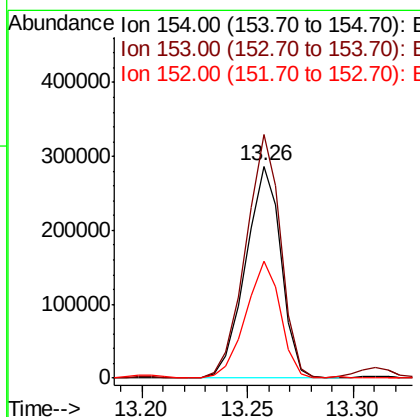
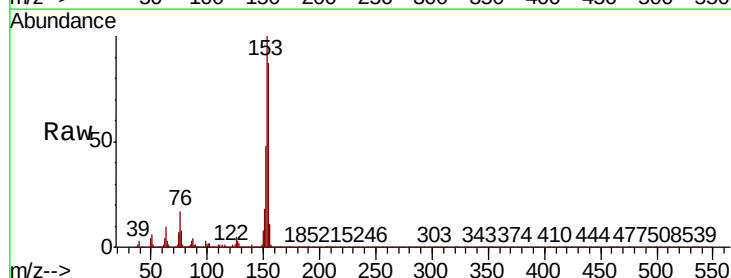
Manual Integrations
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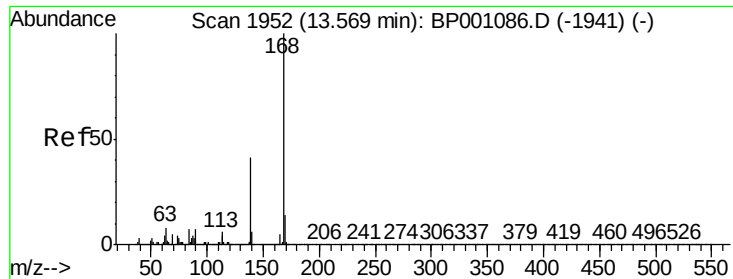
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#52
Acenaphthene
Concen: 42.522 ng
RT: 13.26 min Scan# 1899
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.1	90.3	135.5
152	55.0	42.9	64.3





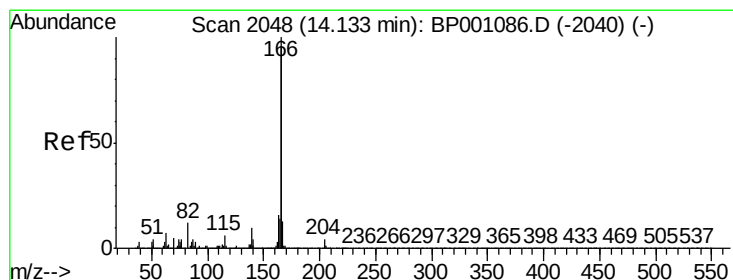
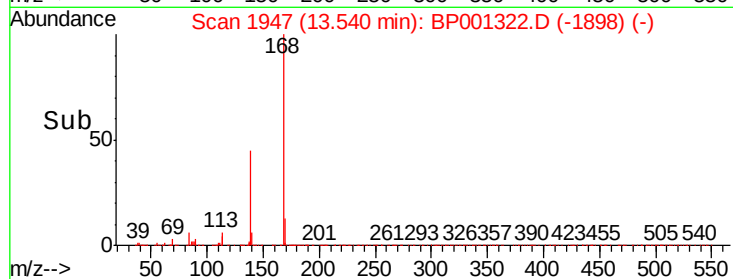
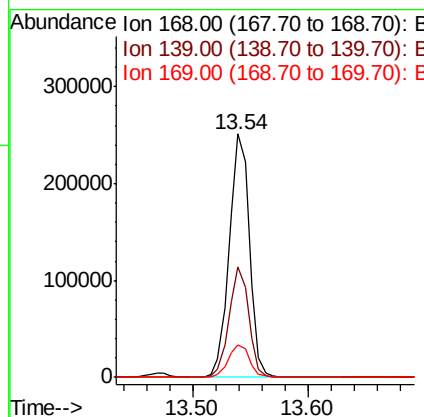
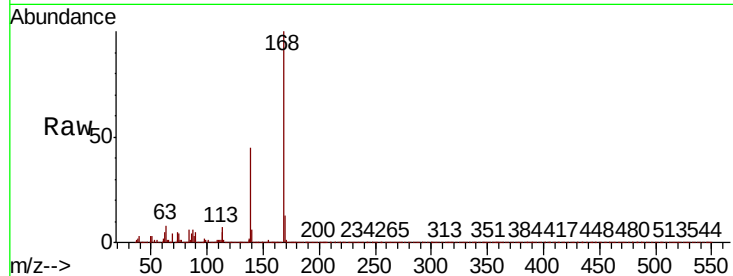
#55
Dibenzenofuran
Concen: 25.746 ng
RT: 13.54 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion:	168	Resp:	304402
Ion Ratio	Lower	Upper	
168	100		
139	45.3	34.5	51.7
169	13.1	10.8	16.2

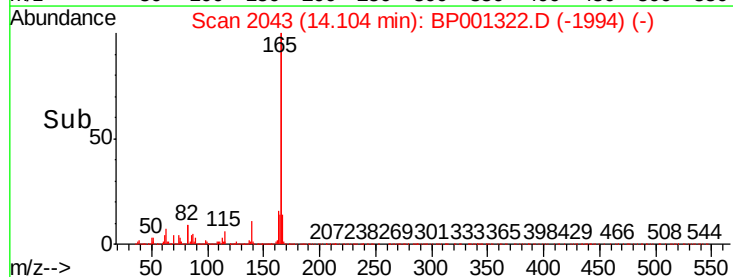
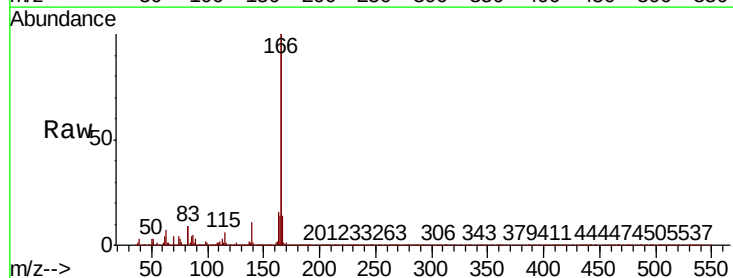
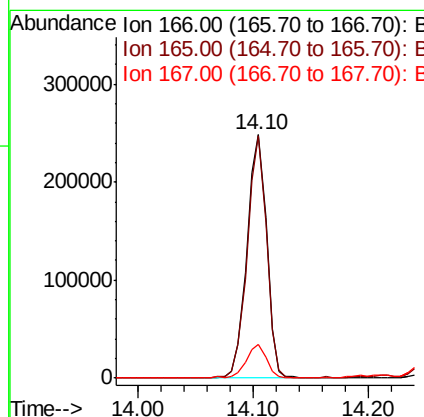
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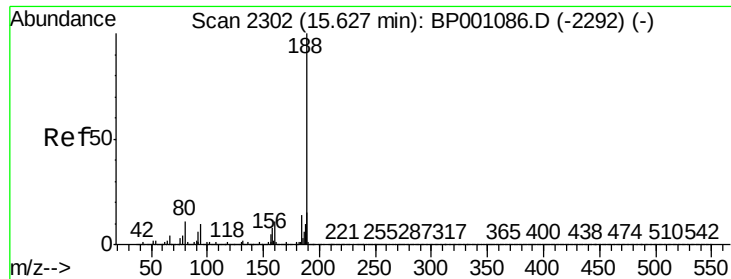
mohammad
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#58
Fluorene
Concen: 31.080 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion:	166	Resp:	294452
Ion Ratio	Lower	Upper	
166	100		
165	99.6	77.8	116.8
167	14.0	10.5	15.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.60 min Scan# 2298

Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

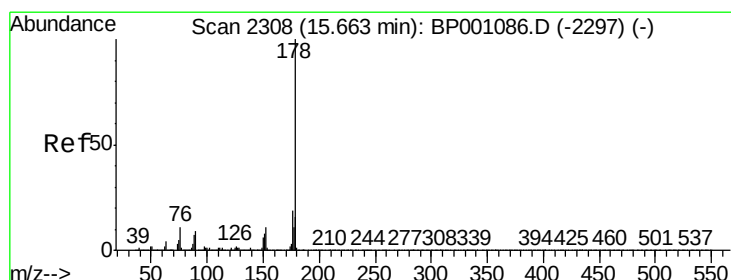
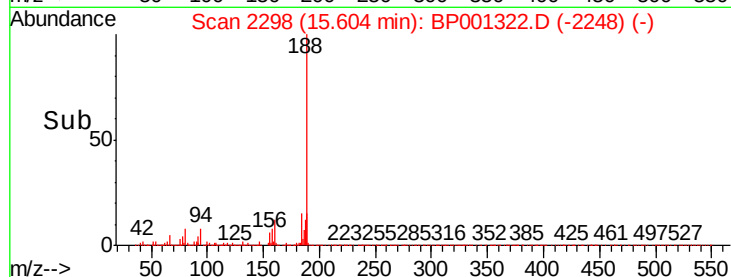
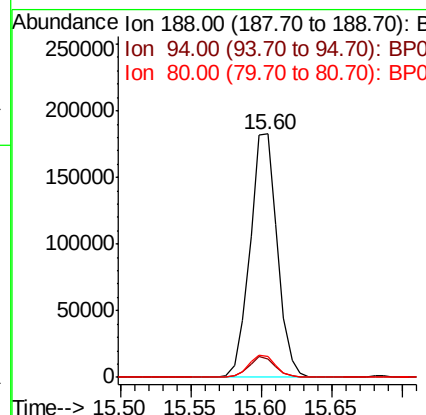
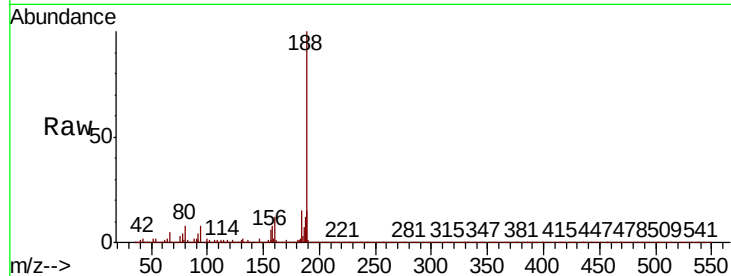
ClientSampleId :

RBR200059

Tot Ion:	188	Resp:	247343
Ion Ratio	Lower	Upper	
188	100		
94	7.7	7.1	10.7
80	8.5	7.8	11.6

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#71

Phenanthrene

Concen: 100.243 ng

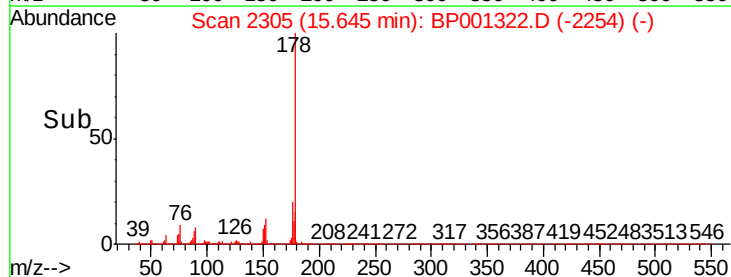
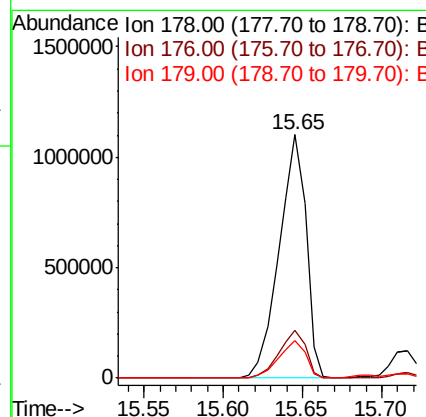
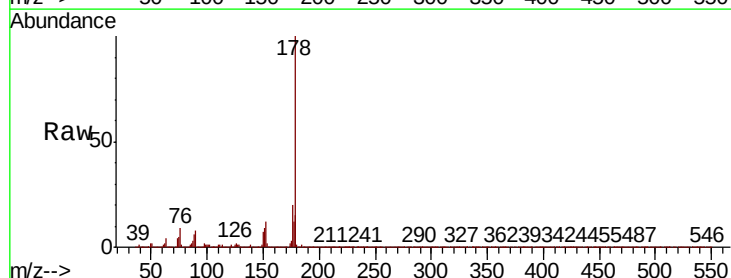
RT: 15.65 min Scan# 2305

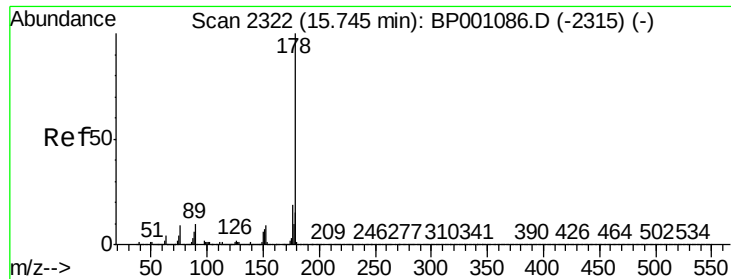
Delta R.T. 0.00 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	178	Resp:	1303526
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.7	23.5
179	15.2	12.4	18.6





#72

Anthracene

Concen: 11.204 ng

RT: 15.72 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

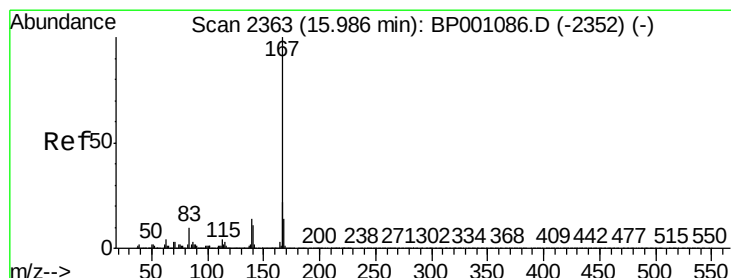
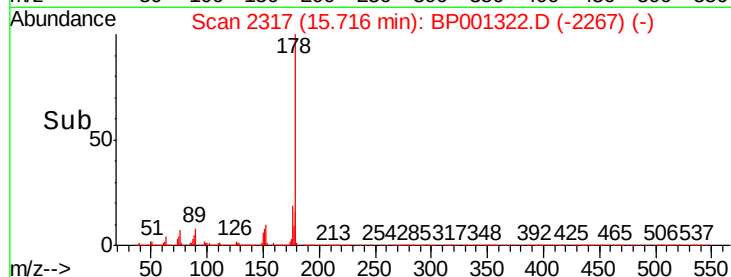
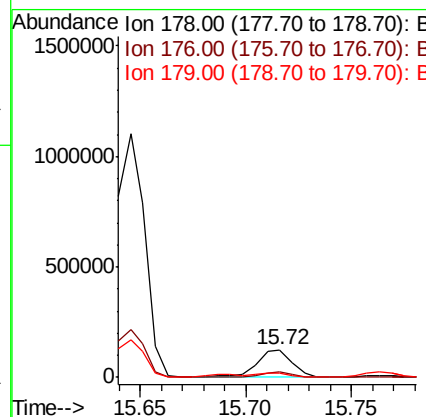
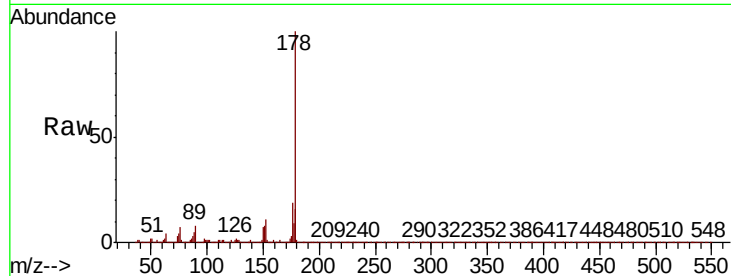
ClientSampleId :

RBR200059

Tot Ion:	178	Resp:	143597
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.1	22.7
179	15.6	12.7	19.1

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#73

Carbazole

Concen: 6.458 ng

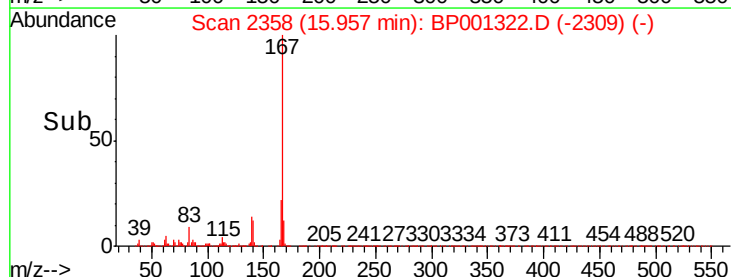
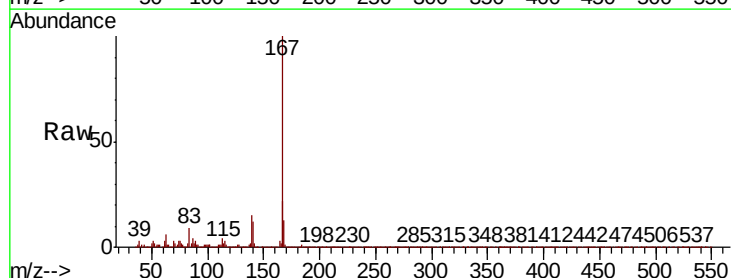
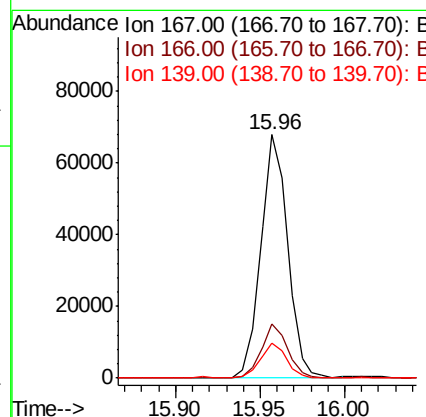
RT: 15.96 min Scan# 2358

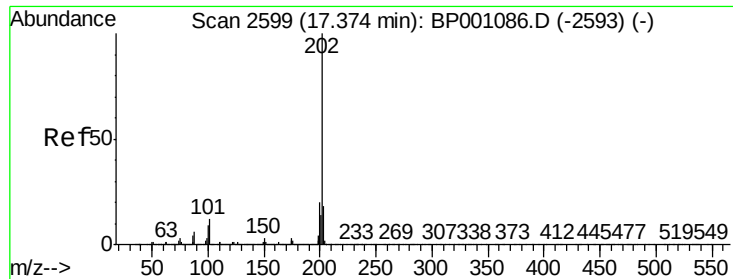
Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	167	Resp:	75318
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.4	26.0
139	14.6	11.4	17.0





#75

Fluoranthene

Concen: 58.184 ng

RT: 17.35 min Scan# 2595

Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

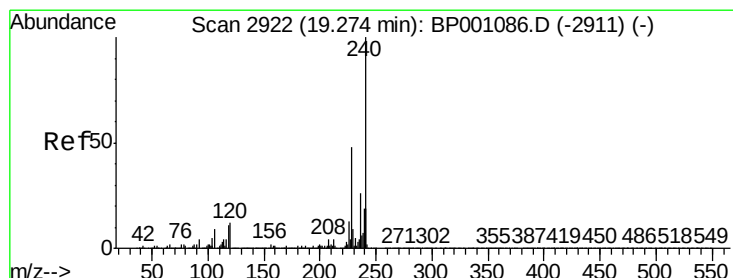
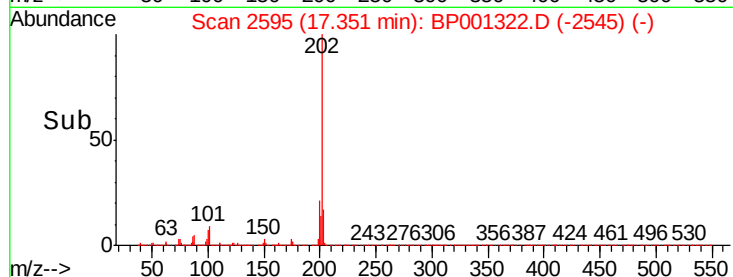
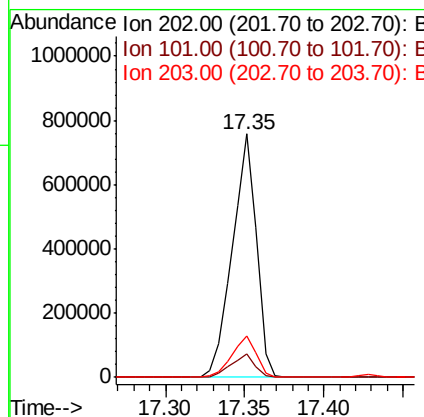
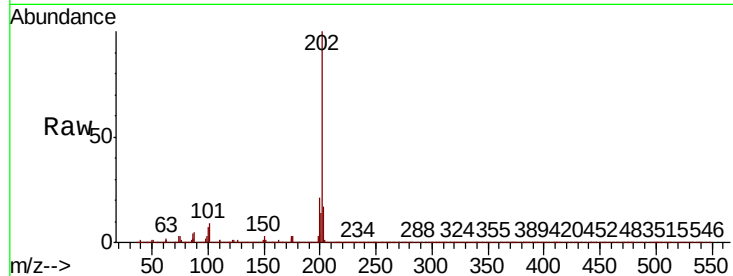
ClientSampleId :

RBR200059

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	0.0	30.0
203	17.2	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

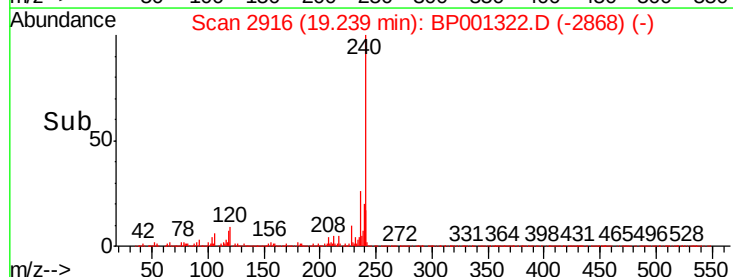
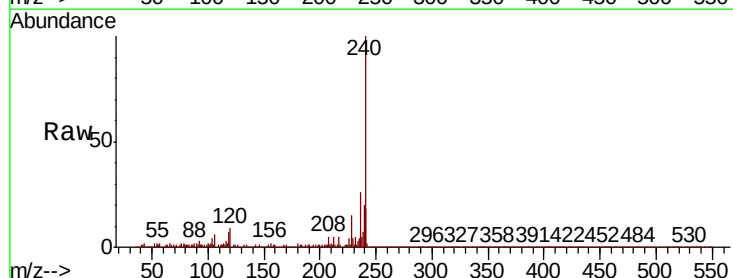
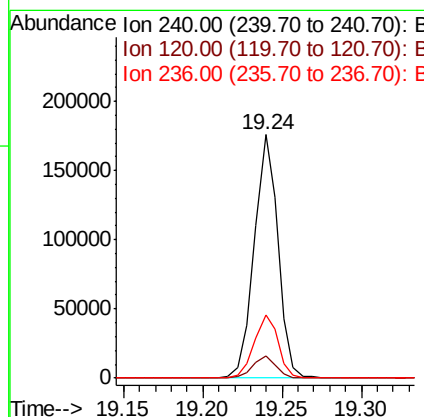
RT: 19.24 min Scan# 2916

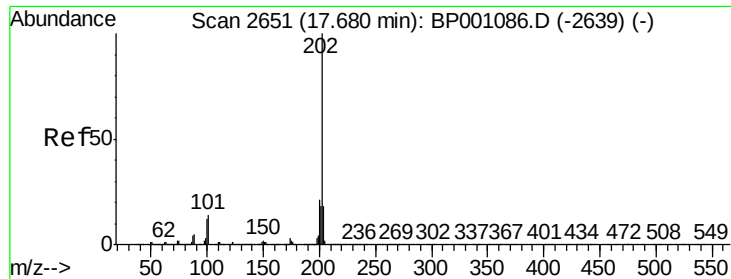
Delta R.T. -0.02 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	7.0	10.6
236	25.8	21.7	32.5





#78

Pvrene

Concen: 37.151 ng

RT: 17.66 min Scan# 2647

Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

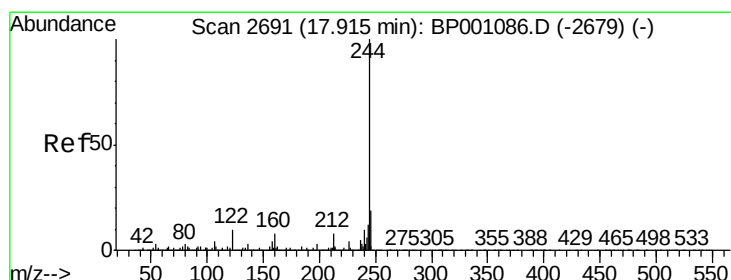
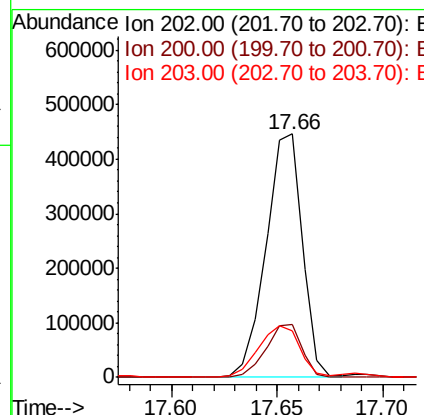
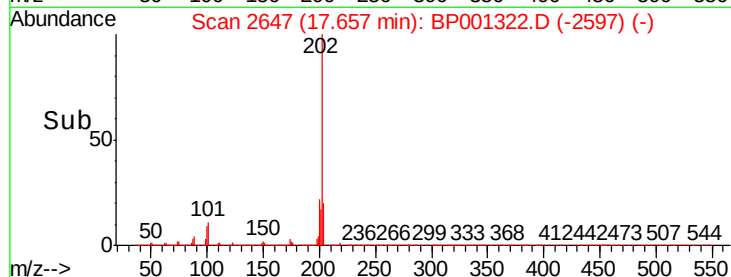
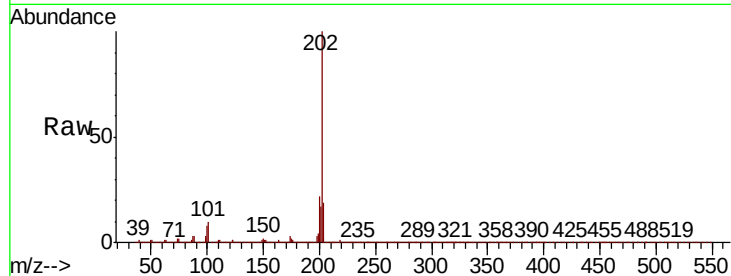
ClientSampleId :

RBR200059

Tot Ion:	202	Resp:	534420
Ion Ratio		Lower	Upper
202	100		
200	21.5	17.3	25.9
203	19.0	13.8	20.8

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#79

Terphenyl-d14

Concen: 72.708 ng

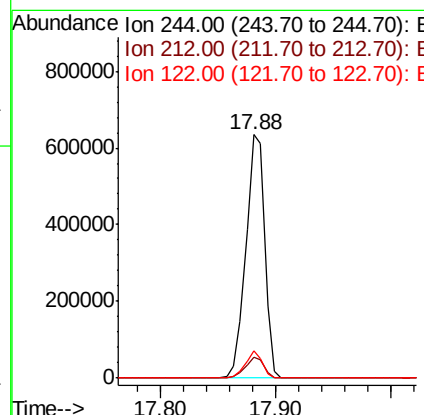
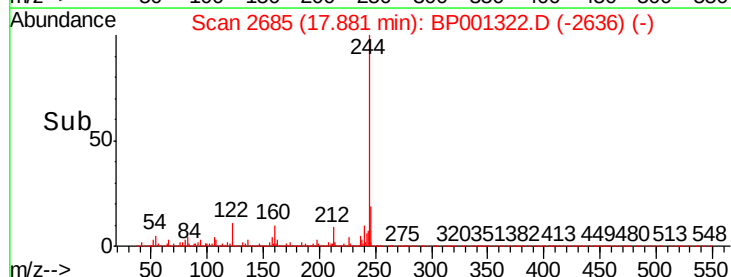
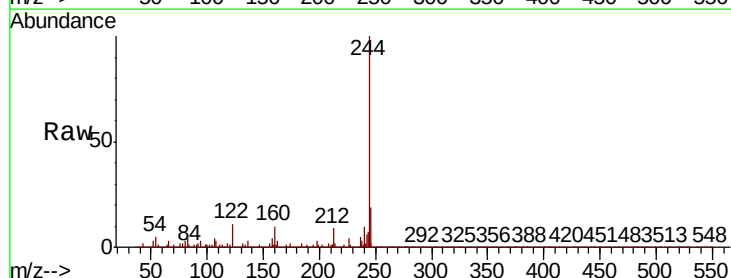
RT: 17.88 min Scan# 2685

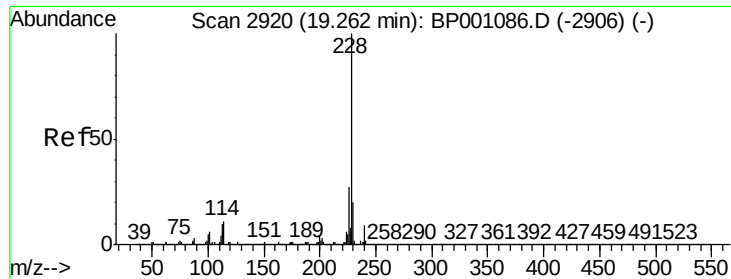
Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	244	Resp:	717757
Ion Ratio		Lower	Upper
244	100		
212	8.5	6.6	9.8
122	11.0	9.2	13.8





#81

Benzo(a)anthracene

Concen: 9.279 ng

RT: 19.23 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

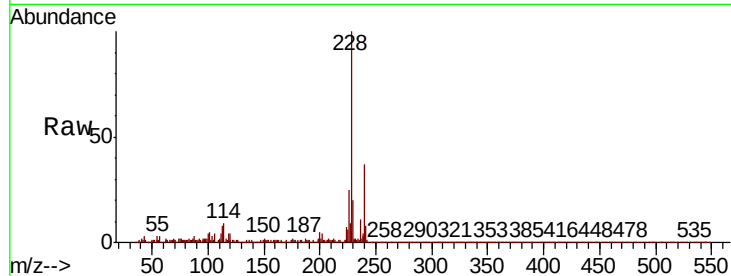
ClientSampleId :

RBR200059

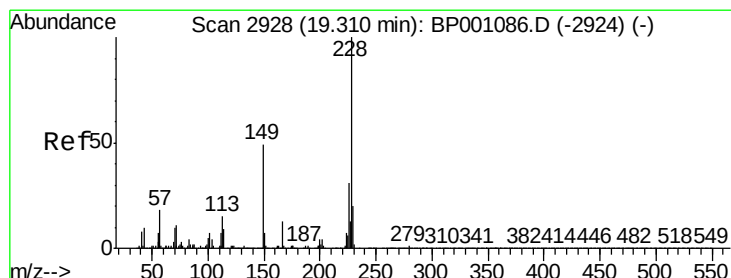
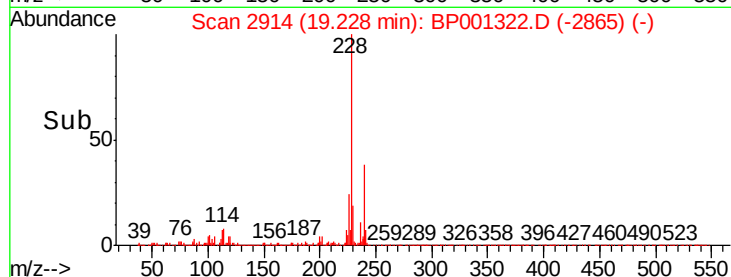
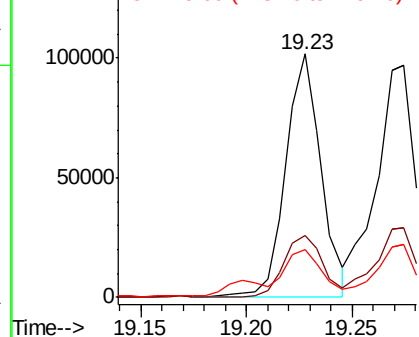
Tot Ion:	228	Resp:	117495
Ion Ratio	Lower	Upper	
228	100		
226	25.2	21.7	32.5
229	19.6	15.8	23.6

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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: 10.884 ng m

RT: 19.27 min Scan# 2922

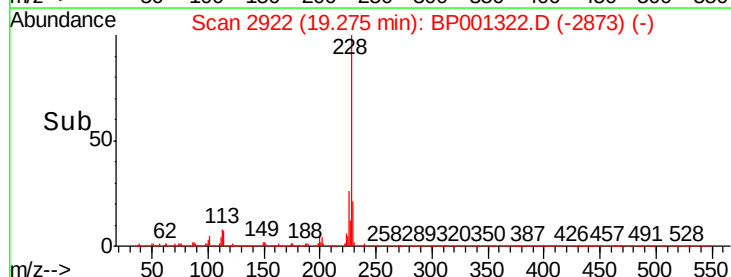
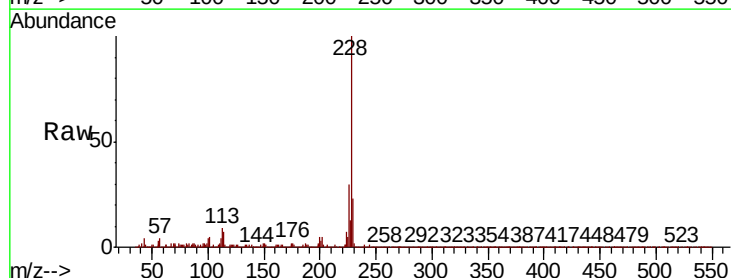
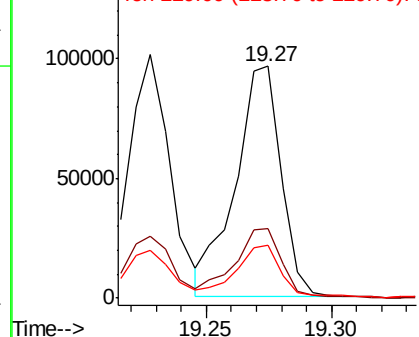
Delta R.T. -0.01 min

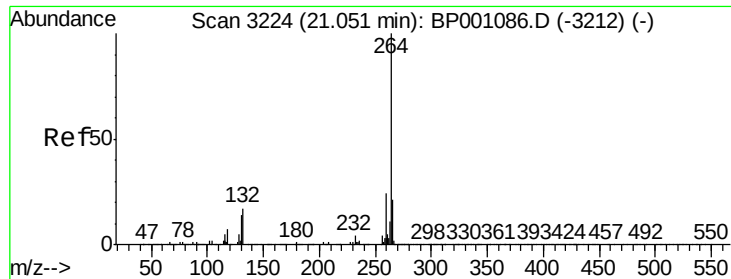
Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	228	Resp:	123420
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.7	35.5
229	22.9	15.2	22.8#

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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.01 min Scan# 3217

Delta R.T. -0.02 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Instrument :

BNA_P

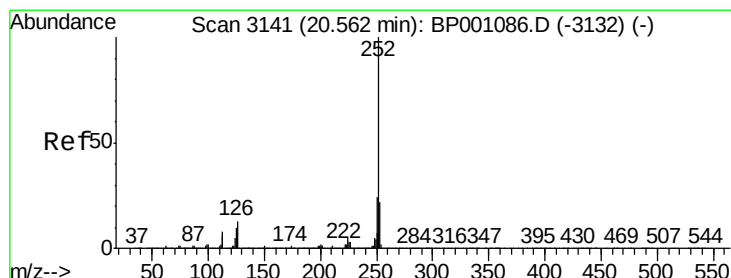
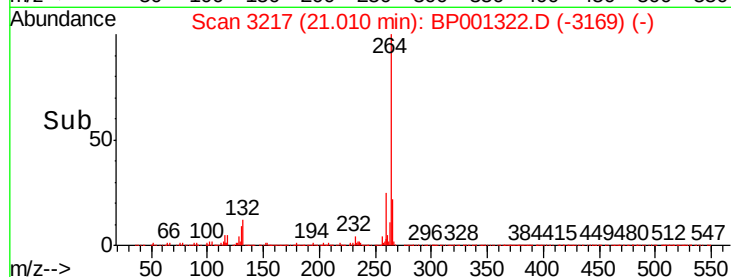
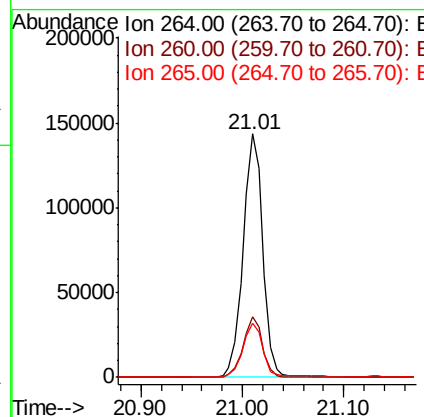
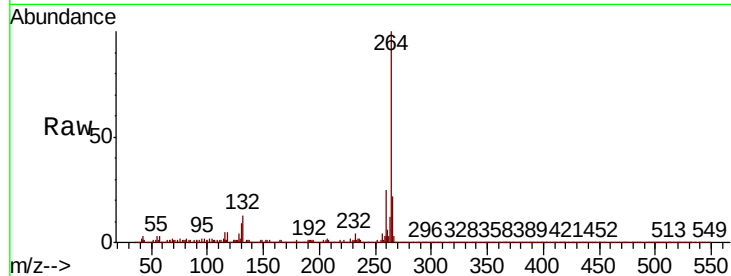
ClientSampleId :

RBR200059

Tot Ion:	264	Resp:	193125
Ion Ratio		Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.2	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 7.770 ng m

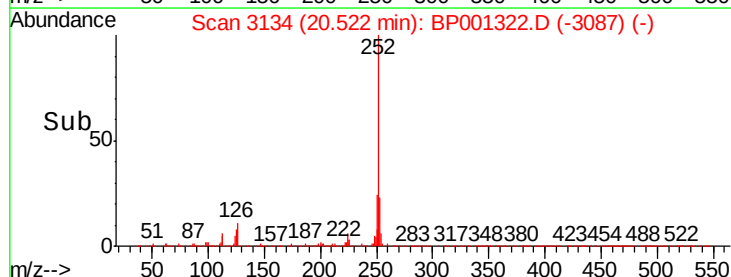
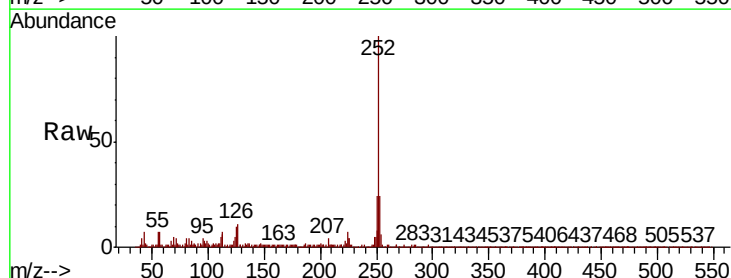
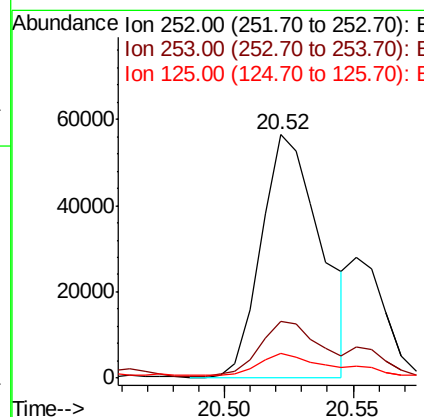
RT: 20.52 min Scan# 3134

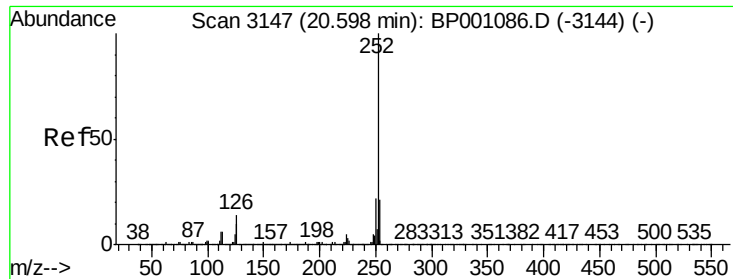
Delta R.T. -0.02 min

Lab File: BP001322.D

Acq: 11 Dec 2019 20:28

Tgt Ion:	252	Resp:	91658
Ion Ratio		Lower	Upper
252	100		
253	23.5	17.0	25.6
125	9.9	6.6	9.8#





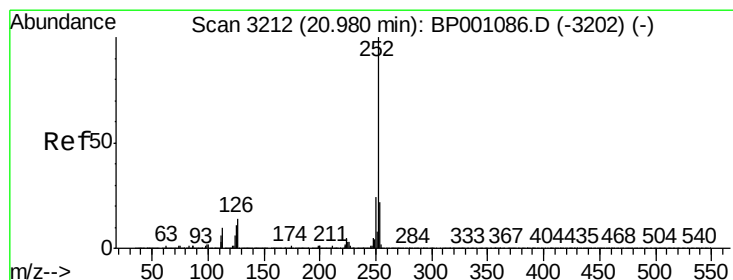
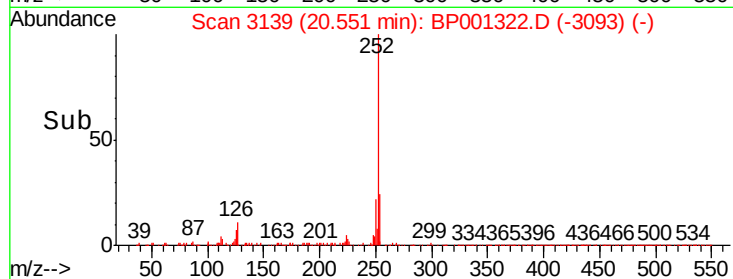
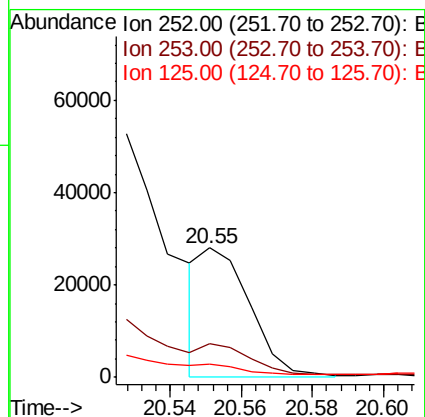
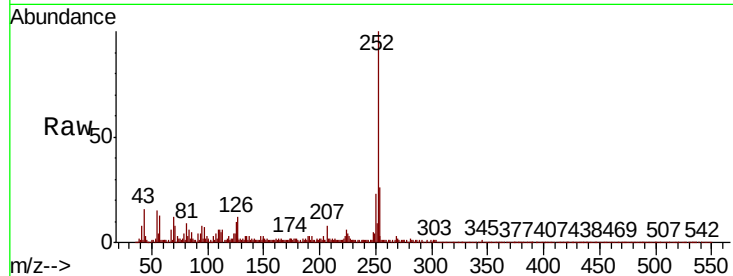
#89
Benzo(k)fluoranthene
Concen: 2.373 ng m
RT: 20.55 min Scan# 3139
Delta R.T. -0.03 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Instrument :
BNA_P
ClientSampleId :
RBR200059

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	9.8	6.2	9.4#

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#90
Benzo(a)pyrene
Concen: 4.016 ng
RT: 20.93 min Scan# 3204
Delta R.T. -0.02 min
Lab File: BP001322.D
Acq: 11 Dec 2019 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.8	25.2
125	10.6	7.8	11.6

