

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001029.D
 Acq On : 11 Nov 2019 21:40
 Operator : JU
 Sample : K5771-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SP

Manual Integrations
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Quant Time: Nov 12 06:33:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	237207	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	864799	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	491648	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	963638	20.00	ng	0.00
76) Chrysene-d12	19.30	240	725353	20.00	ng	0.00
87) Perylene-d12	21.08	264	816156	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	946280	72.61	ng	0.00
7) Phenol-d6	7.82	99	1277623	77.53	ng	0.00
23) Nitrobenzene-d5	9.25	82	800026	51.17	ng	-0.01
42) 2,4,6-Tribromophenol	14.55	330	462042	78.72	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	1794220	54.96	ng	0.00
79) Terphenyl-d14	17.93	244	2157278	59.16	ng	0.00

Target Compounds				Qvalue		
10) Phenol	7.83	94	81990	4.549	ng	90
50) Dimethylphthalate	12.85	163	134296	3.694	ng	100
52) Acenaphthene	13.31	154	91355	3.395	ng	99
58) Fluorene	14.16	166	112446	3.362	ng	95
71) Phenanthrene	15.69	178	2003778	40.628	ng	100
72) Anthracene	15.77	178	629524	13.084	ng	99
73) Carbazole	16.01	167	172100	3.902	ng	99
75) Fluoranthene	17.40	202	3328753	59.712	ng	98
78) Pyrene	17.71	202	2728914	53.235	ng	98
81) Benzo(a)anthracene	19.29	228	1215740	24.886	ng	98
83) Chrysene	19.33	228	1033776	24.103	ng	98
86) Indeno(1,2,3-cd)pyrene	22.74	276	413118m	7.040	ng	
88) Benzo(b)fluoranthene	20.59	252	1144406	23.523	ng	99
89) Benzo(k)fluoranthene	20.62	252	363821m	7.944	ng	
90) Benzo(a)pyrene	21.01	252	803405	17.959	ng	98
91) Dibenzo(a,h)anthracene	22.76	278	101395	2.221	ng	97
92) Benzo(g,h,i)perylene	23.24	276	371387m	8.078	ng	

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

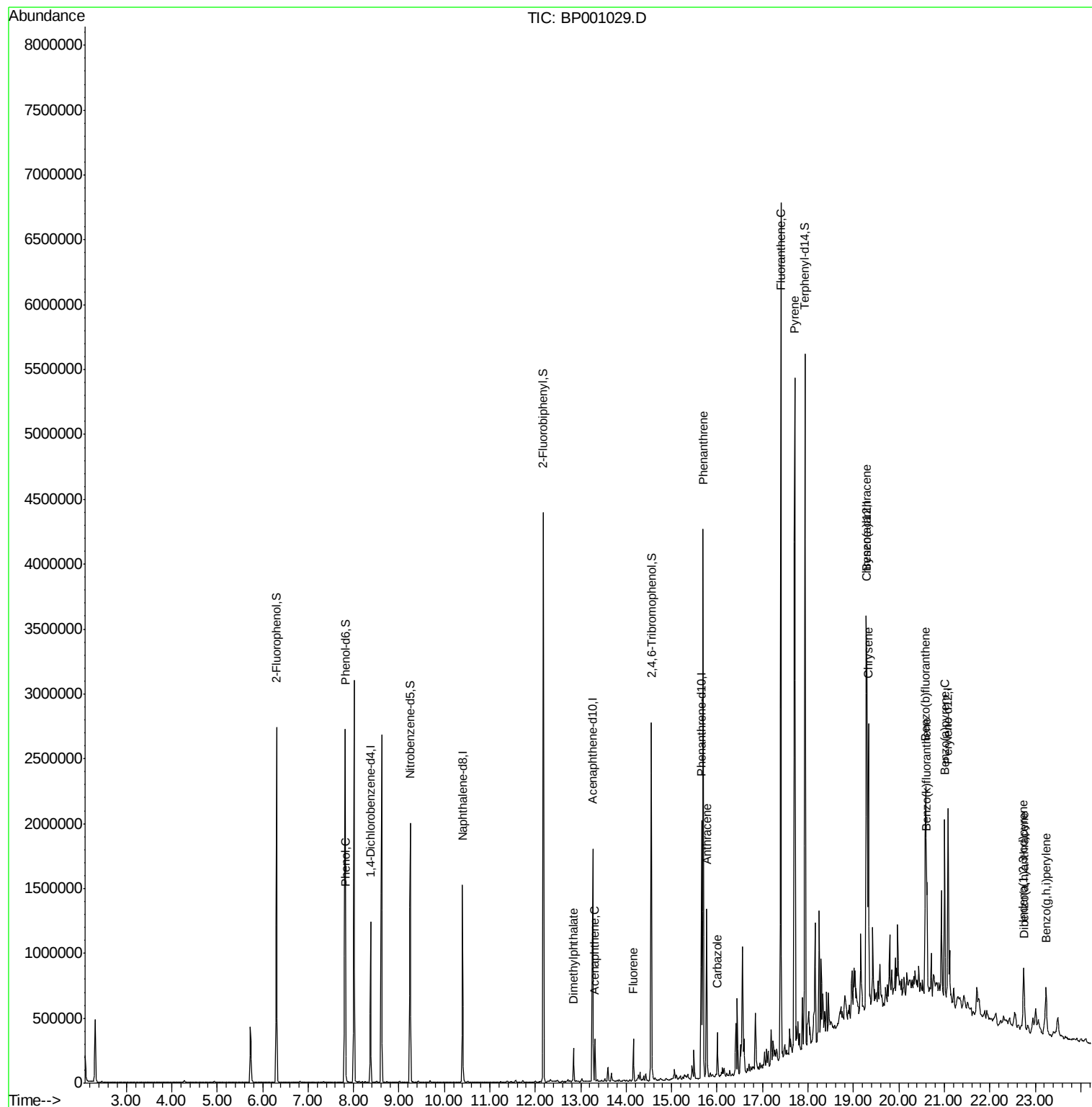
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001029.D
Acq On : 11 Nov 2019 21:40
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Misc :
ALS Vial : 12 Sample Multiplier: 1

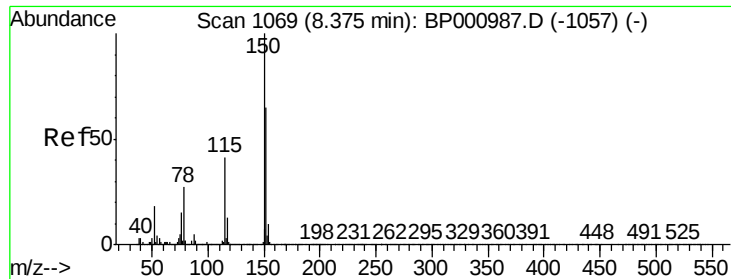
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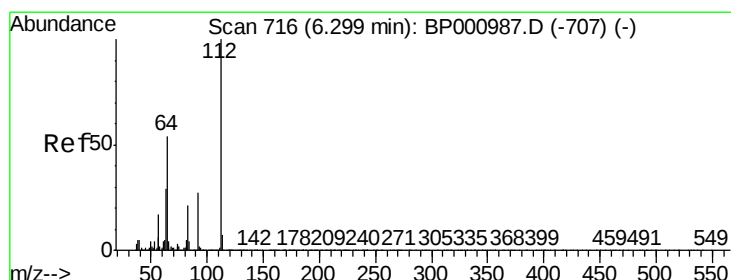
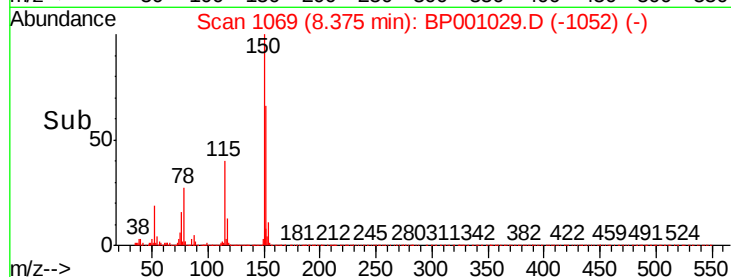
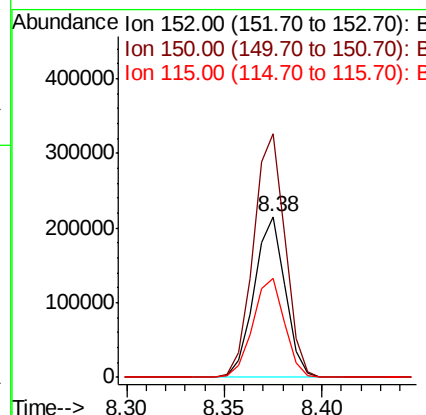
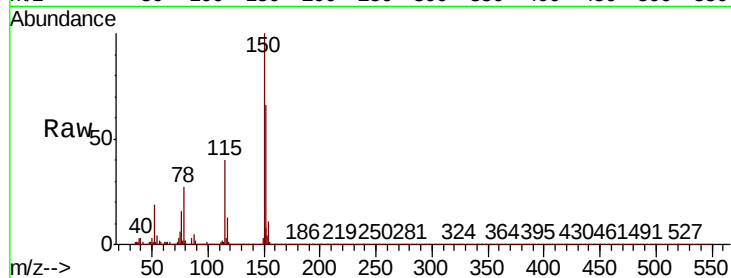
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.38 min Scan# 1069
 Delta R.T. -0.00 min
 Lab File: BP001029.D
 Acq: 11 Nov 2019 21:40

Instrument :
 BNA_P
 ClientSampleId :
 SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	123.6	185.4
115	61.4	50.1	75.1

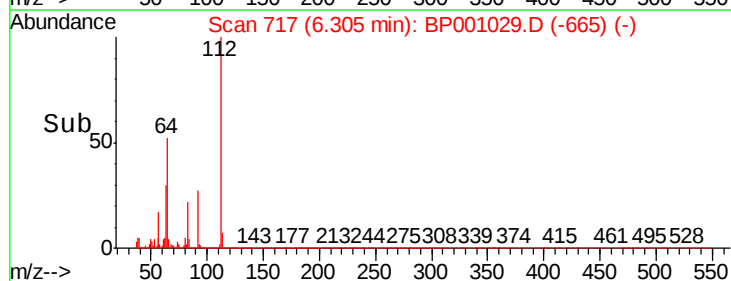
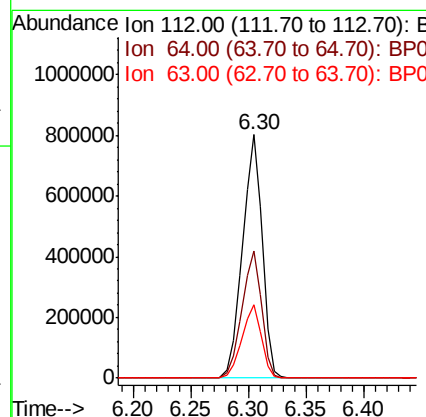
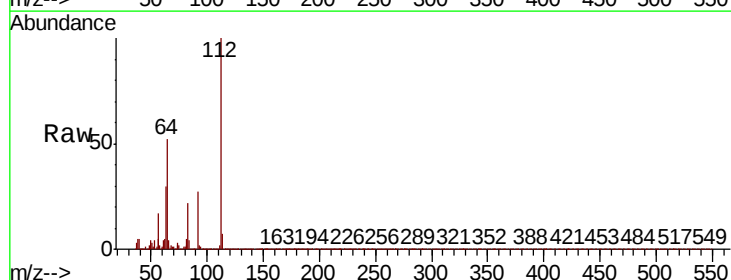
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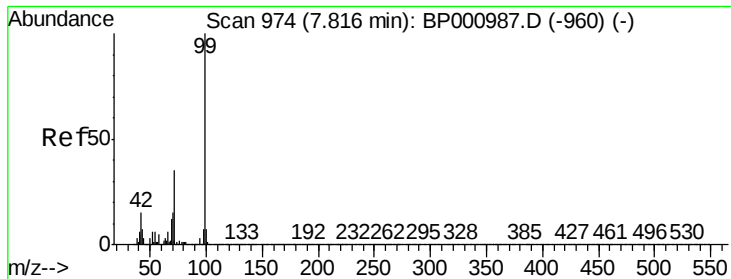
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#5
 2-Fluorophenol
 Concen: 72.612 ng
 RT: 6.30 min Scan# 717
 Delta R.T. 0.01 min
 Lab File: BP001029.D
 Acq: 11 Nov 2019 21:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	43.4	65.0
63	29.9	23.4	35.0





#7

Phenol-d6

Concen: 77.526 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Instrument :

BNA_P

ClientSampled :

SP

Tot Ion: 99 Resp: 1277623

Ion Ratio Lower Upper

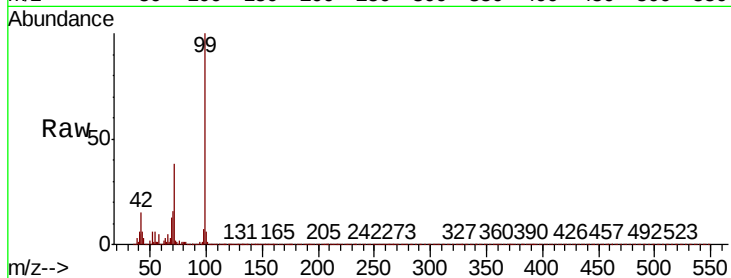
99 100

42 14.8 11.6 17.4

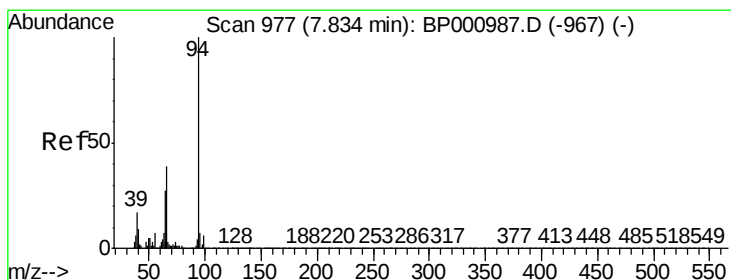
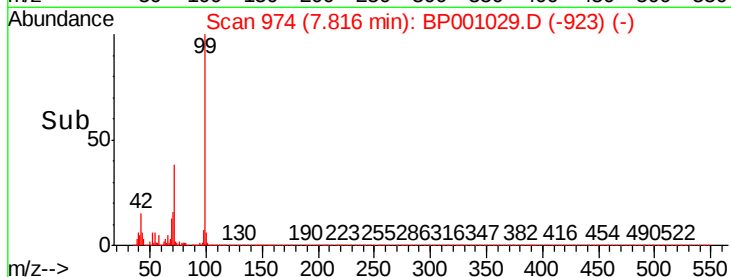
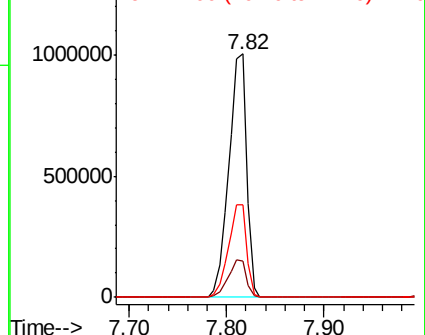
71 38.0 28.0 42.0

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Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 4.549 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

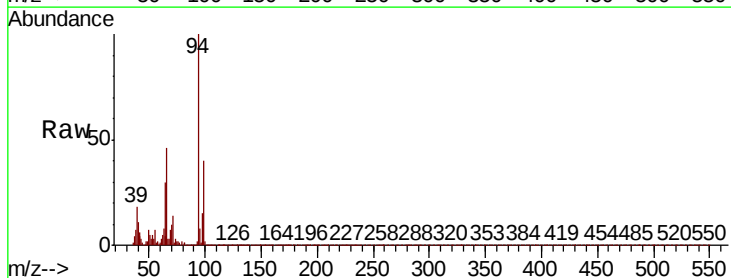
Tgt Ion: 94 Resp: 81990

Ion Ratio Lower Upper

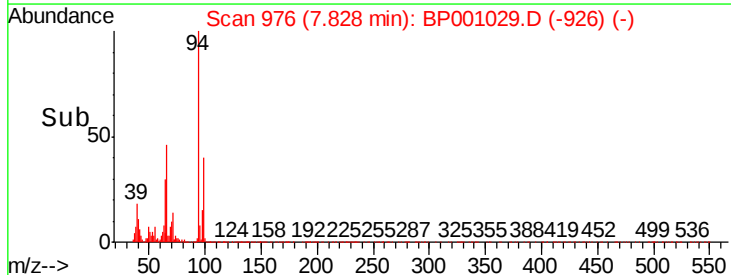
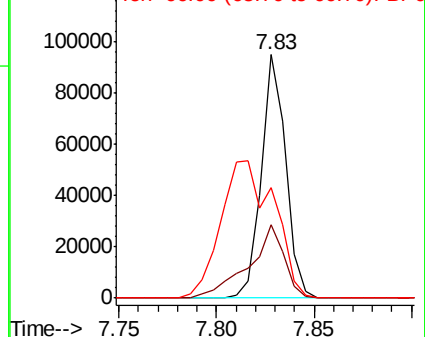
94 100

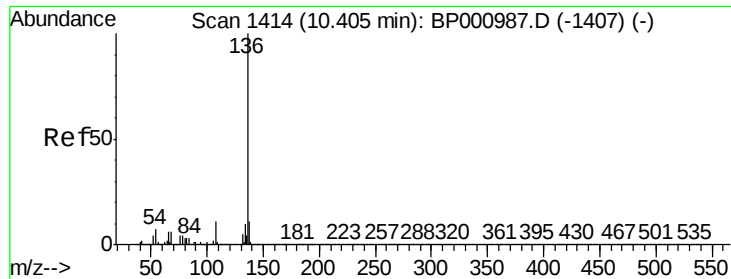
65 30.2 6.7 46.7

66 45.6 18.6 58.6



Abundance Ion 94.00 (93.70 to 94.70): BP0
Ion 65.00 (64.70 to 65.70): BP0
Ion 66.00 (65.70 to 66.70): BP0





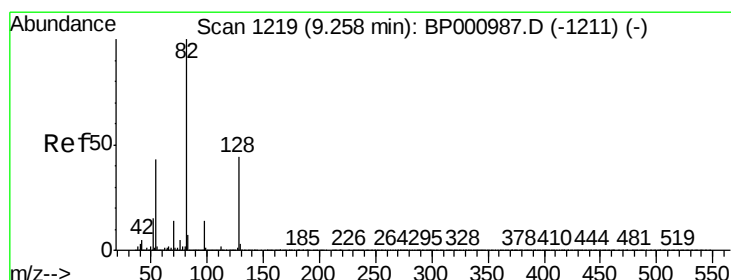
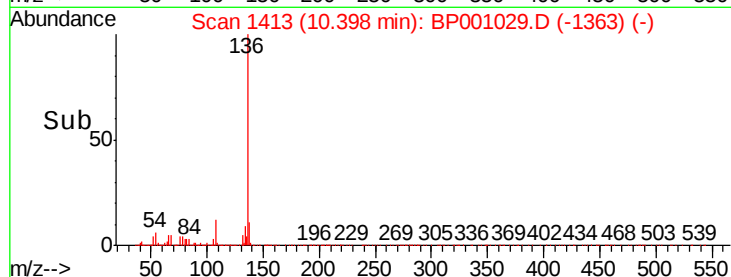
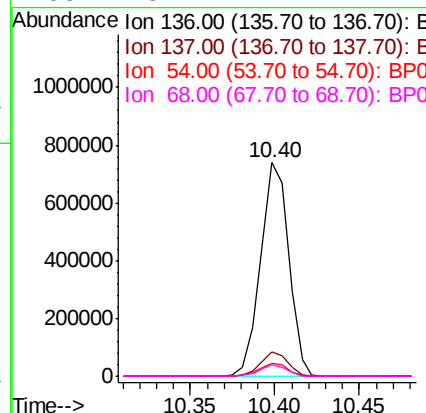
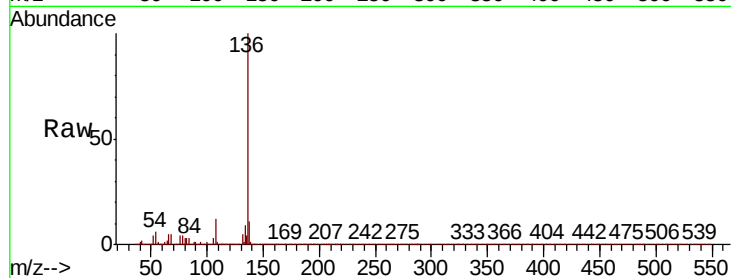
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampleId :
SP

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	9.0	13.6
54	6.3	5.4	8.2
68	5.4	4.7	7.1

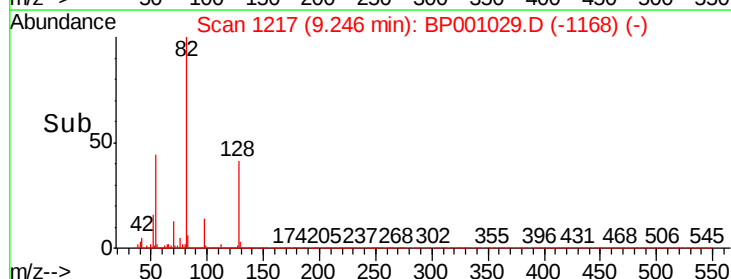
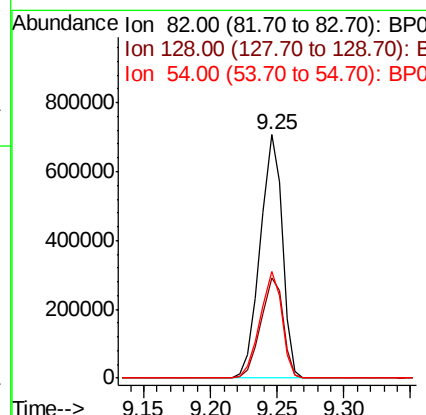
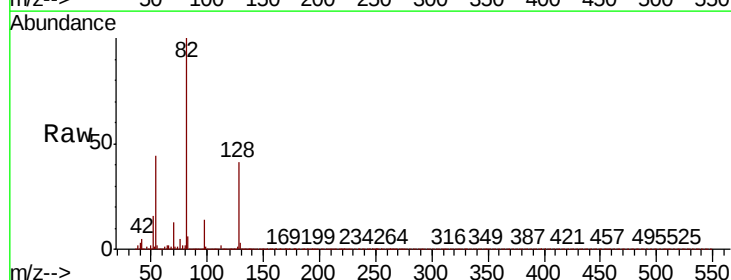
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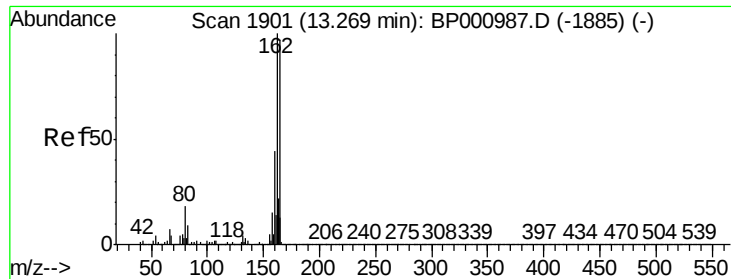
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#23
Nitrobenzene-d5
Concen: 51.173 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	41.4	35.3	52.9
54	43.7	34.3	51.5





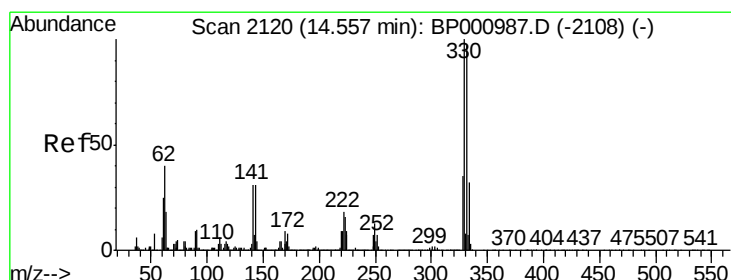
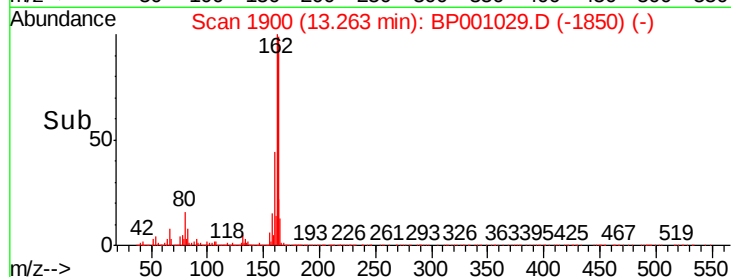
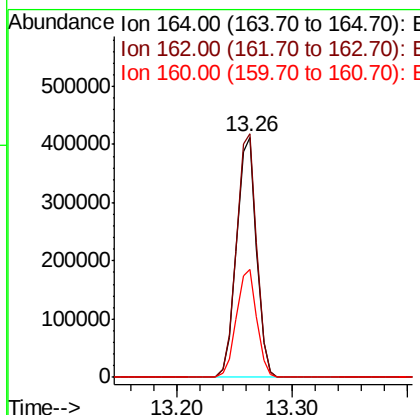
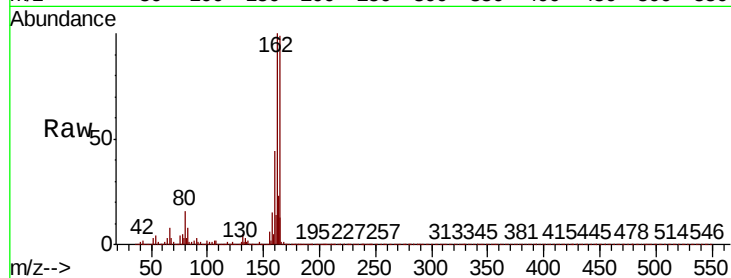
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampled :
SP

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.6	123.8
160	45.0	36.5	54.7

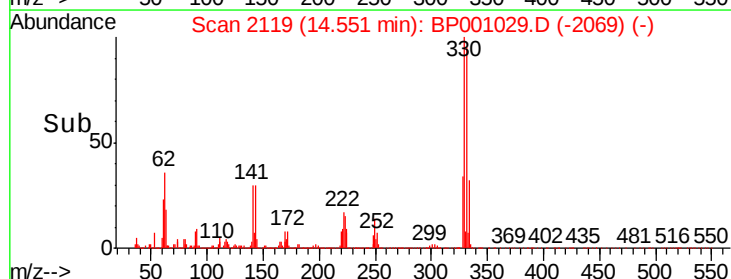
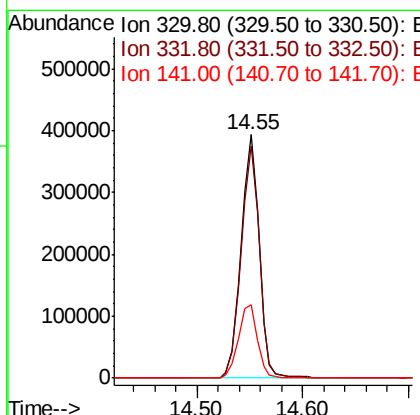
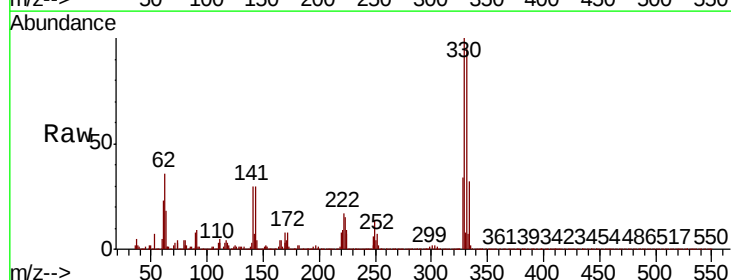
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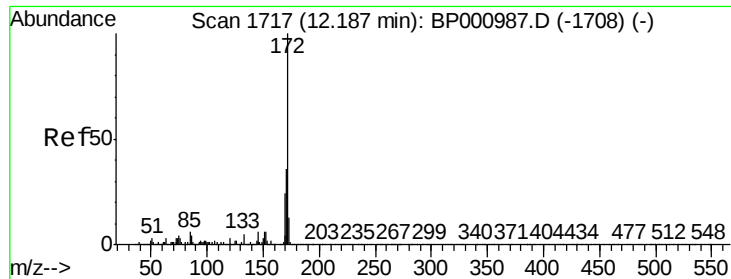
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#42
2,4,6-Tribromophenol
Concen: 78.724 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.3	117.5
141	31.8	25.0	37.4





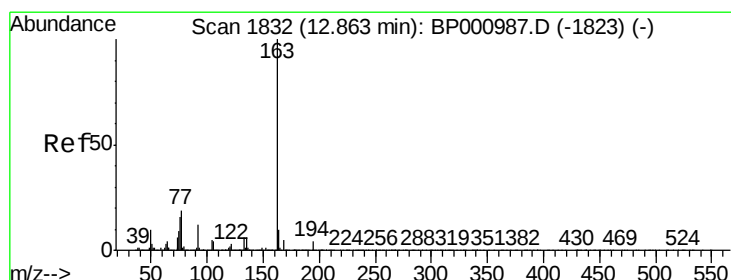
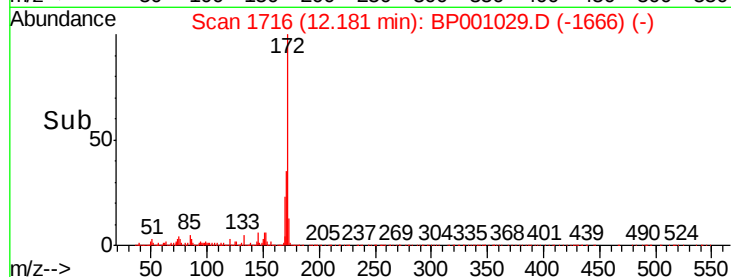
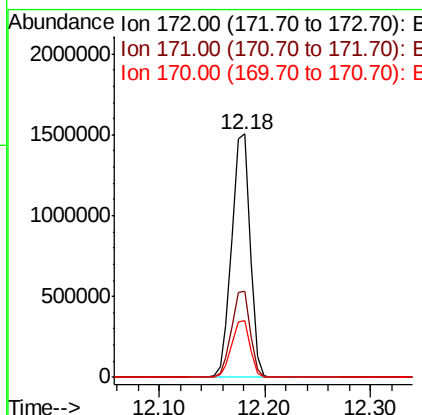
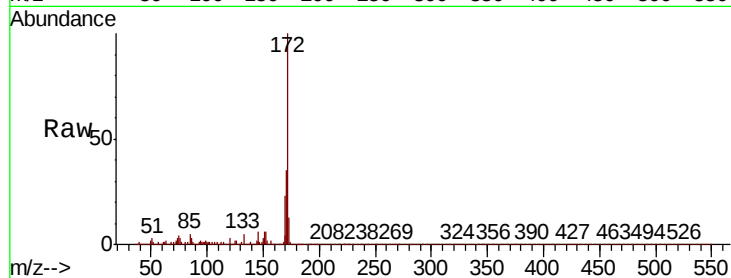
#45
2-Fluorobiphenyl
Concen: 54.963 ng
RT: 12.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampled :
SP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.5	42.7
170	23.4	18.9	28.3

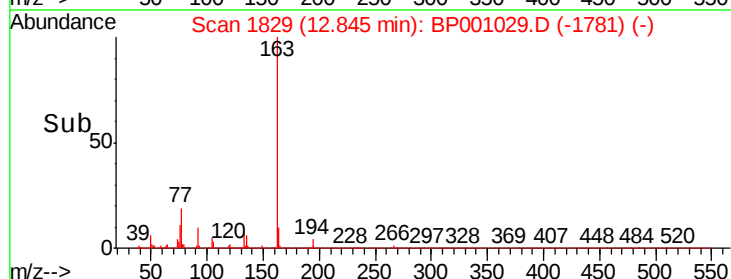
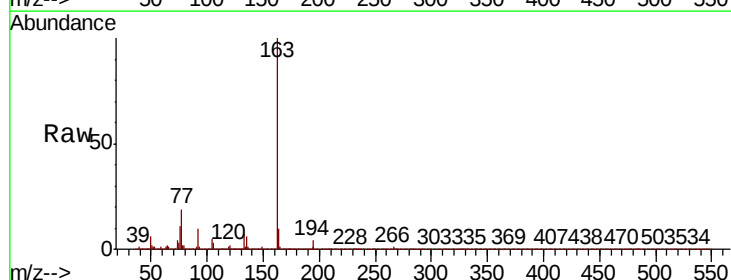
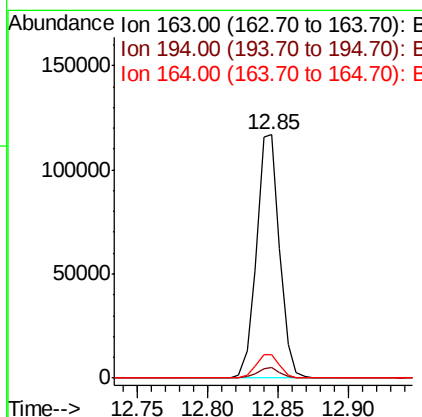
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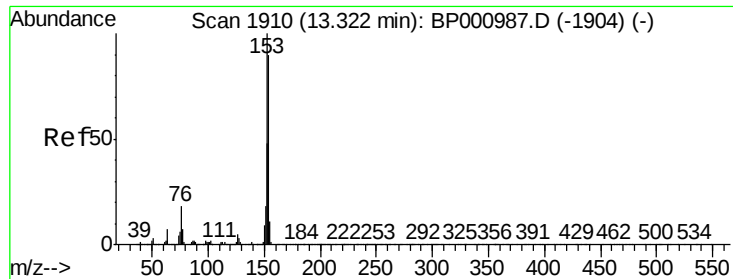
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#50
Dimethylphthalate
Concen: 3.694 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.7	7.9	11.9





#52

Acenaphthene

Concen: 3.395 ng

RT: 13.31 min Scan# 1908

Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Instrument :

BNA_P

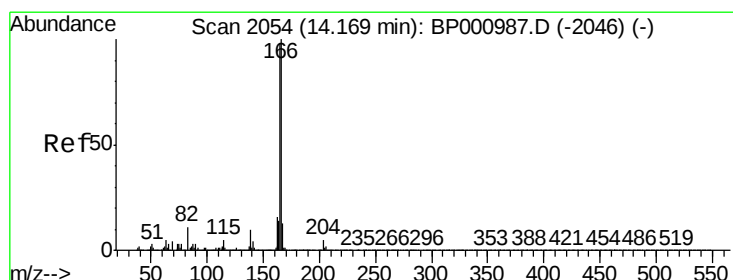
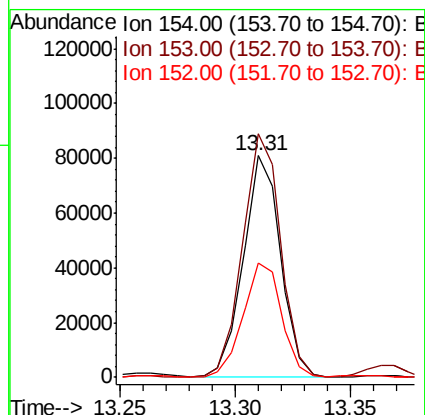
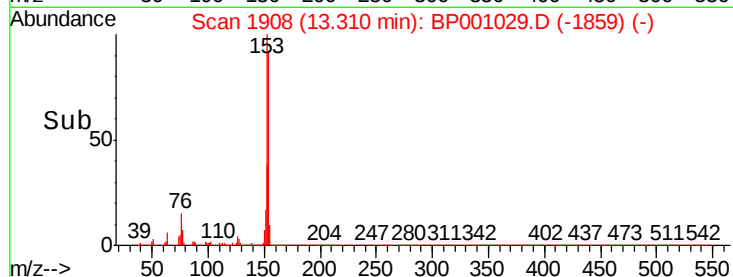
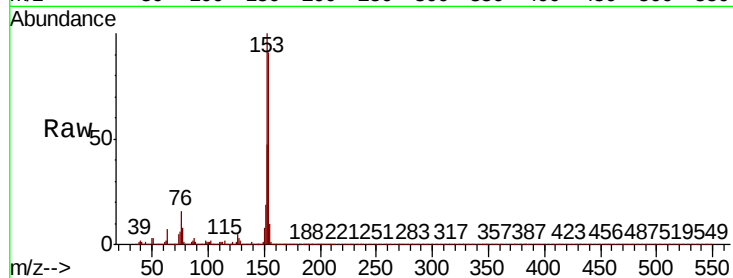
ClientSampled :

SP

Tot Ion:	154	Resp:	91355
Ion Ratio	Lower	Upper	
154	100		
153	110.0	88.9	133.3
152	51.9	42.4	63.6

Manual Integrations
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#58

Fluorene

Concen: 3.362 ng

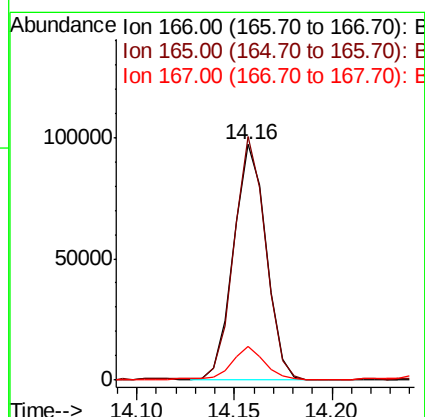
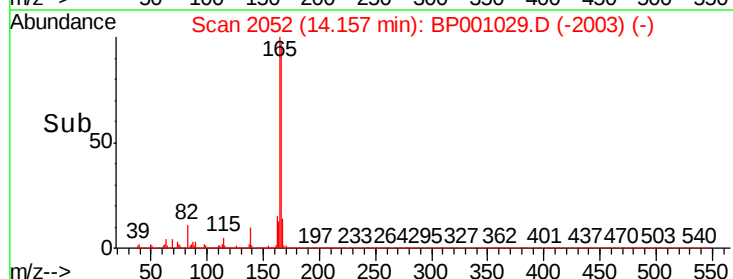
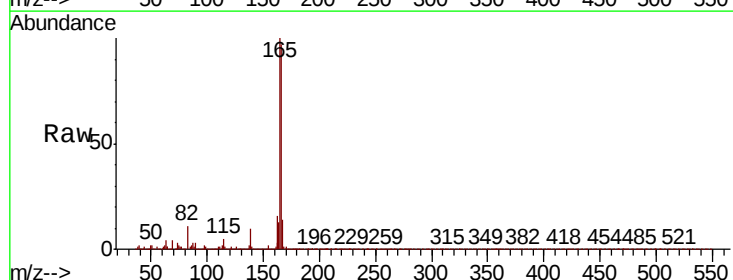
RT: 14.16 min Scan# 2052

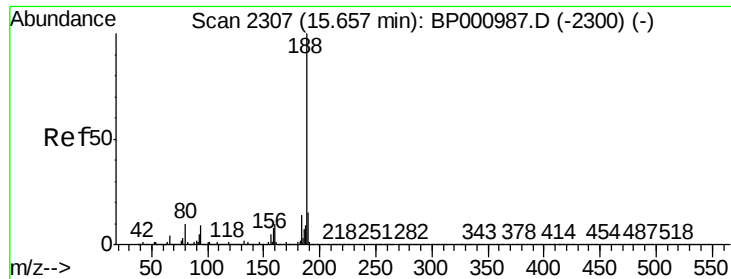
Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Tgt Ion:	166	Resp:	112446
Ion Ratio	Lower	Upper	
166	100		
165	103.4	78.2	117.2
167	14.5	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Instrument :

BNA_P

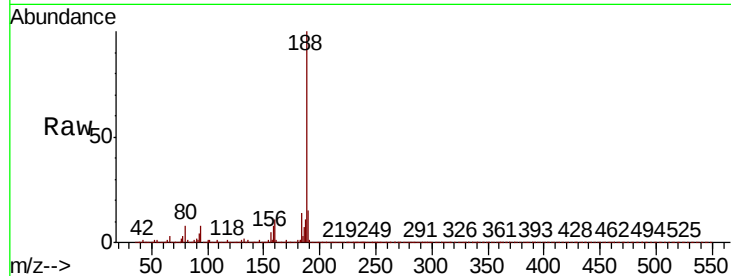
ClientSampled :

SP

Tot Ion:	188	Resp:	963638
Ion Ratio	Lower	Upper	
188	100		
94	7.9	7.4	11.2
80	8.3	7.9	11.9

Manual Integrations
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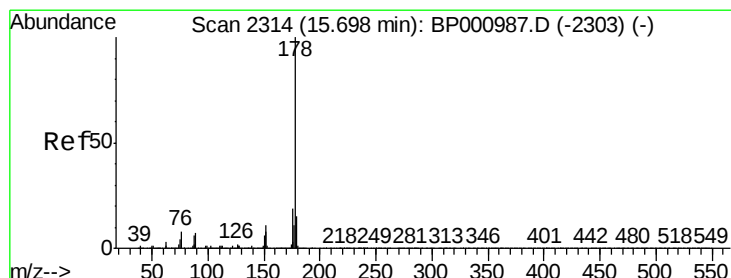
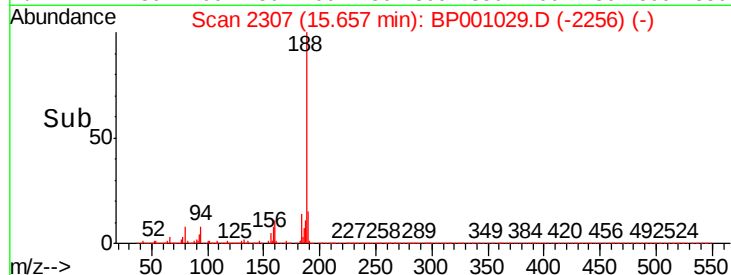
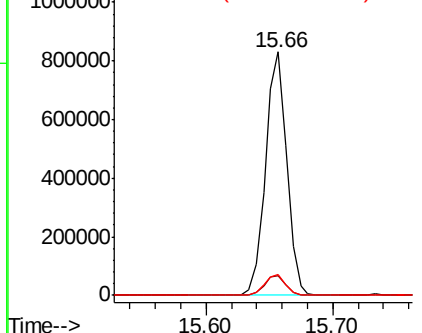
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 40.628 ng

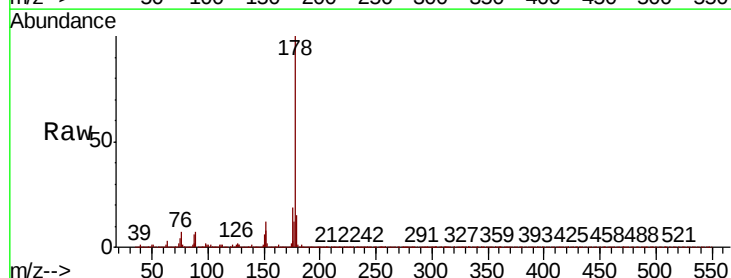
RT: 15.69 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

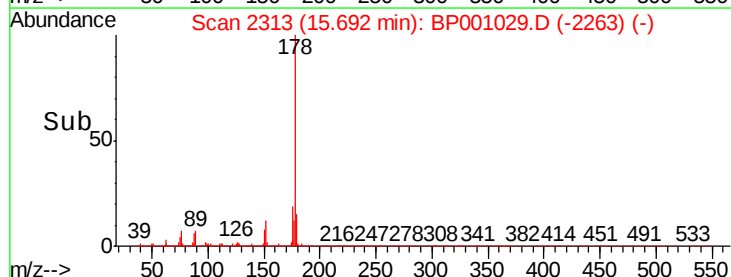
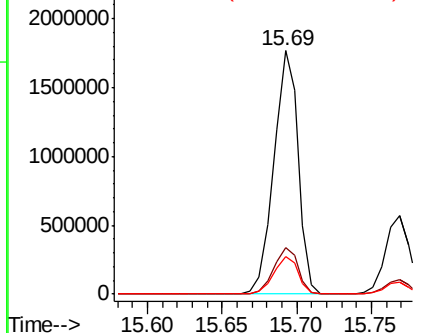
Tgt Ion:	178	Resp:	2003778
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.5	23.3
179	15.5	12.3	18.5

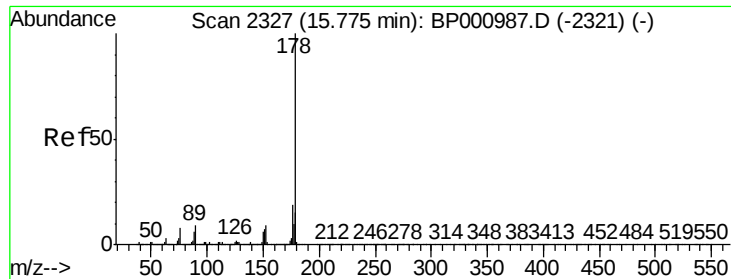


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 13.084 ng

RT: 15.77 min Scan# 2326

Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Instrument :

BNA_P

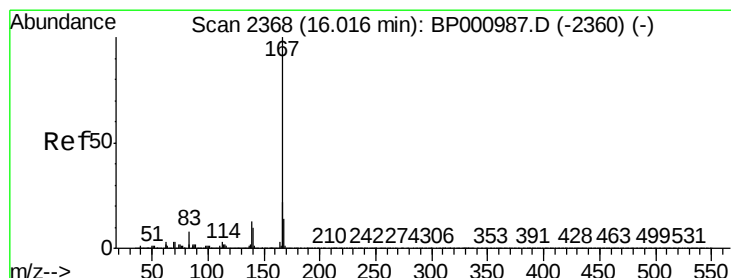
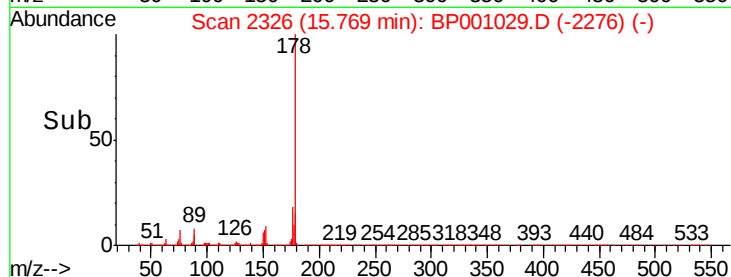
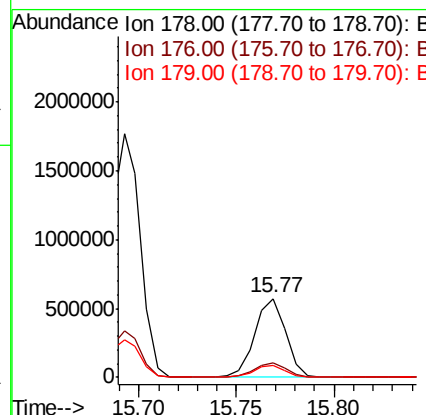
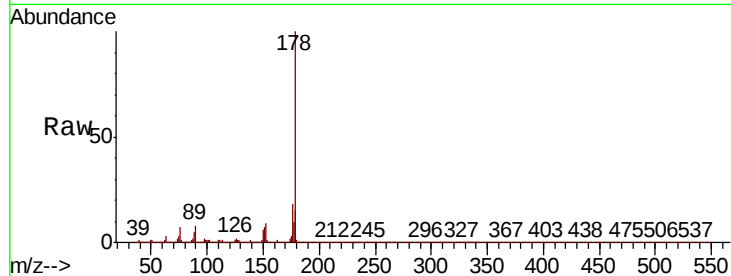
ClientSampled :

SP

Tot Ion:	178	Resp:	629524
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.1	22.7
179	15.4	12.3	18.5

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#73

Carbazole

Concen: 3.902 ng

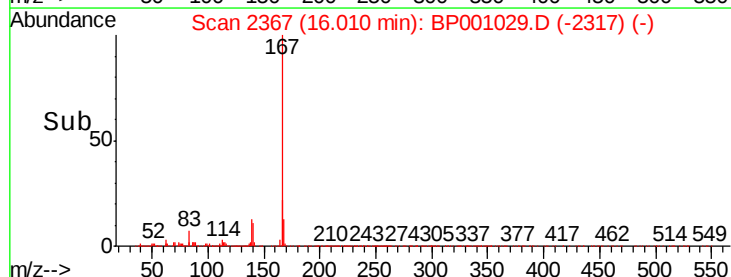
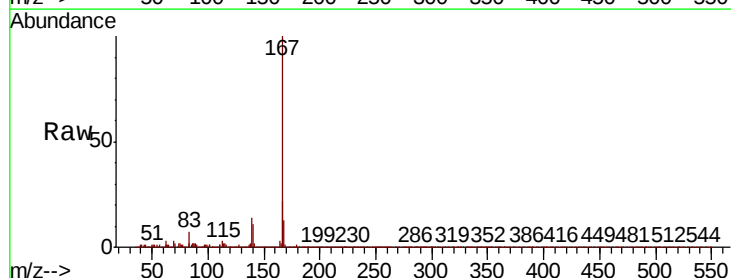
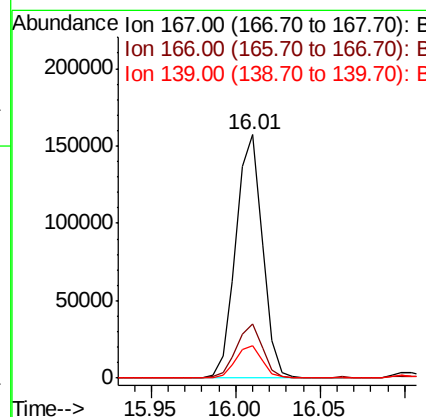
RT: 16.01 min Scan# 2367

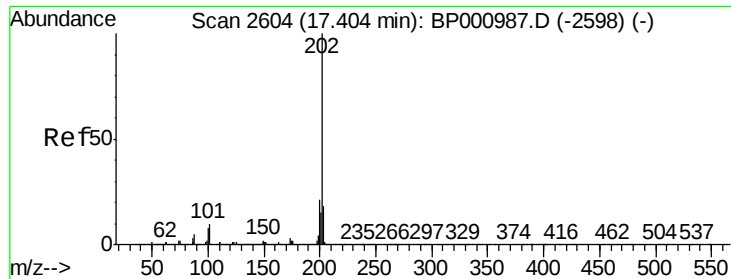
Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Tgt Ion:	167	Resp:	172100
Ion Ratio	Lower	Upper	
167	100		
166	22.2	17.6	26.4
139	13.6	10.6	15.8





#75

Fluoranthene

Concen: 59.712 ng

RT: 17.40 min Scan# 2604

Delta R.T. -0.00 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Instrument :

BNA_P

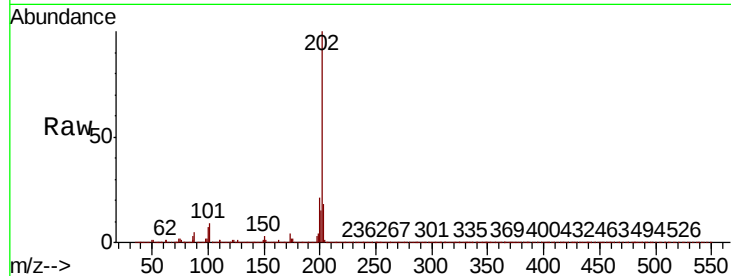
ClientSampleId :

SP

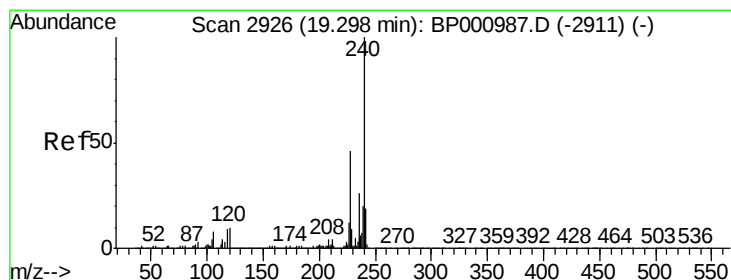
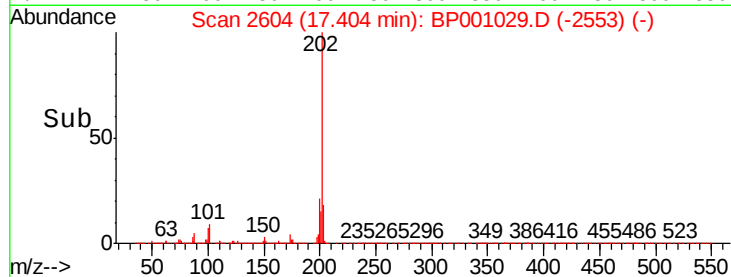
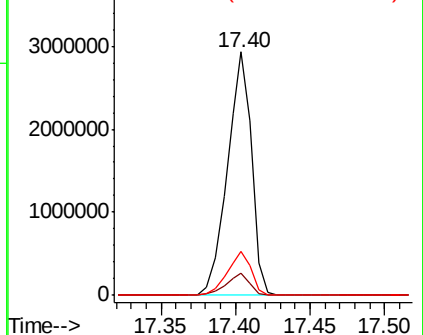
Tot Ion:	202	Resp:	3328753
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	30.1
203	17.9	0.0	37.7

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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

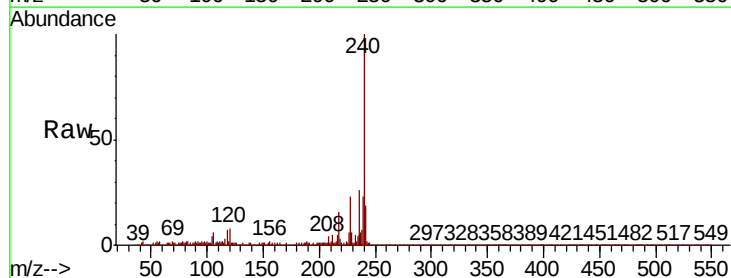
RT: 19.30 min Scan# 2926

Delta R.T. -0.00 min

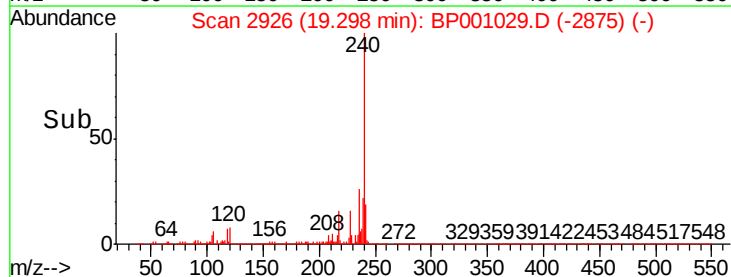
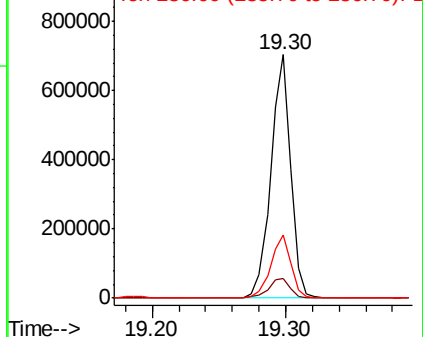
Lab File: BP001029.D

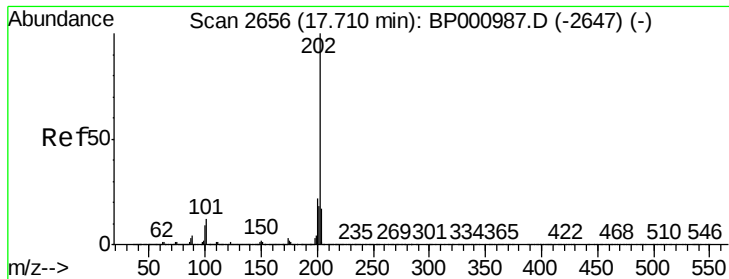
Acq: 11 Nov 2019 21:40

Tgt Ion:	240	Resp:	725353
Ion Ratio	Lower	Upper	
240	100		
120	8.0	8.2	12.2#
236	26.0	20.5	30.7



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

Pvrene

Concen: 53.235 ng

RT: 17.71 min Scan# 2656

Delta R.T. -0.00 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Instrument :

BNA_P

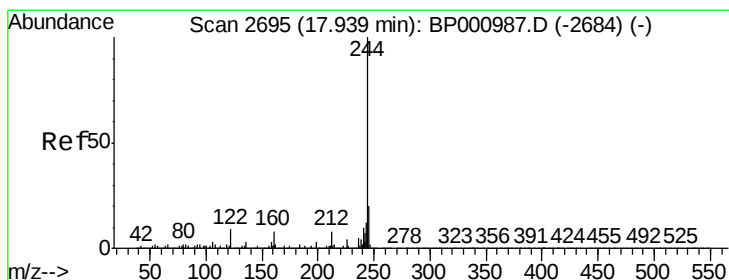
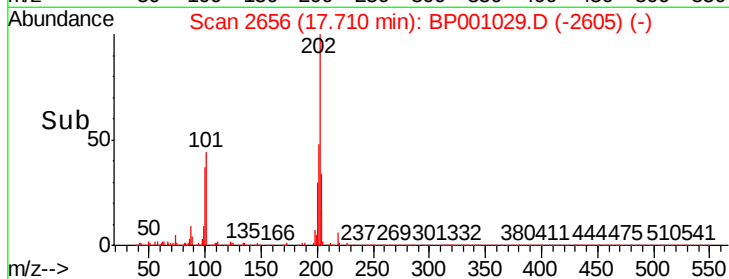
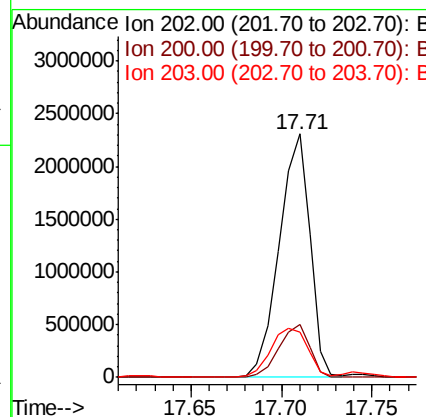
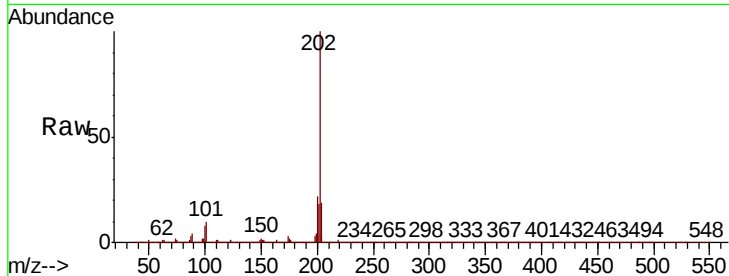
ClientSampled :

SP

Tot Ion:	202	Resp:	2728914
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.2	25.8
203	18.6	14.0	21.0

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#79

Terphenyl-d14

Concen: 59.159 ng

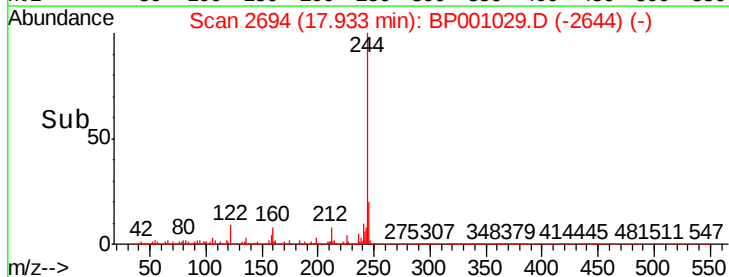
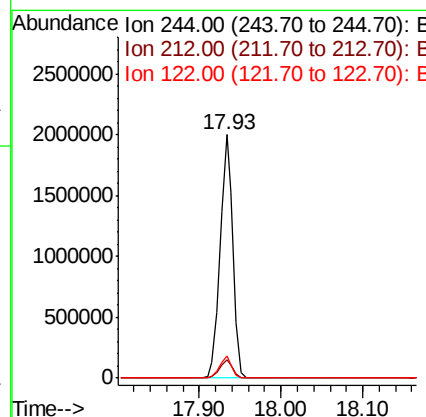
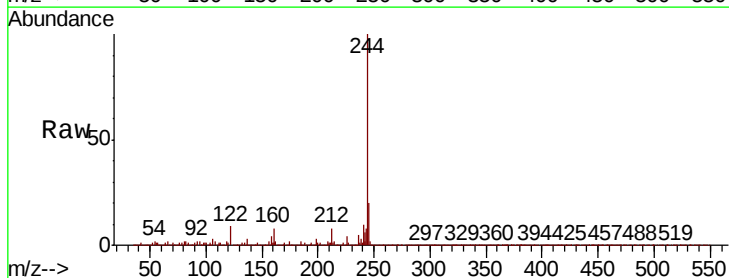
RT: 17.93 min Scan# 2694

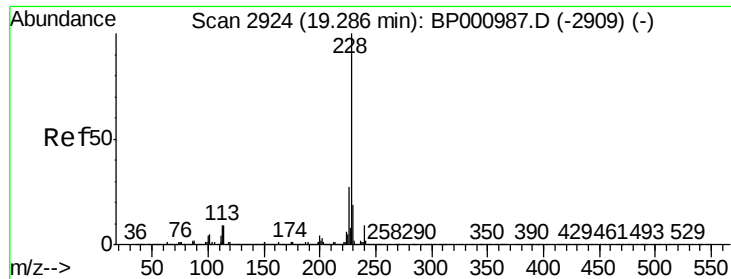
Delta R.T. -0.01 min

Lab File: BP001029.D

Acq: 11 Nov 2019 21:40

Tgt Ion:	244	Resp:	2157278
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	8.9	7.4	11.2





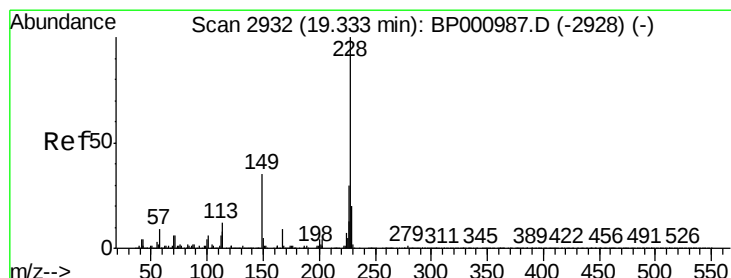
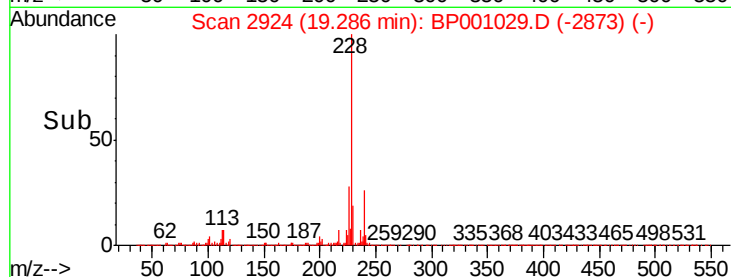
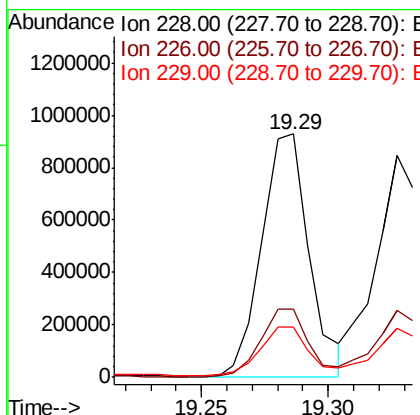
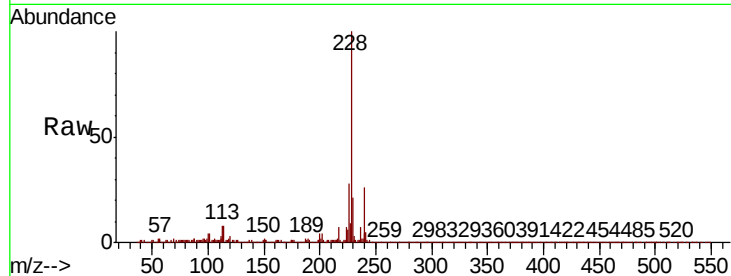
#81
Benzo(a)anthracene
Concen: 24.886 ng
RT: 19.29 min Scan# 2924
Delta R.T. -0.00 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampled :
SP

Tot Ion:228 Resp: 1215740
Ion Ratio Lower Upper
228 100
226 27.9 21.8 32.8
229 20.7 15.6 23.4

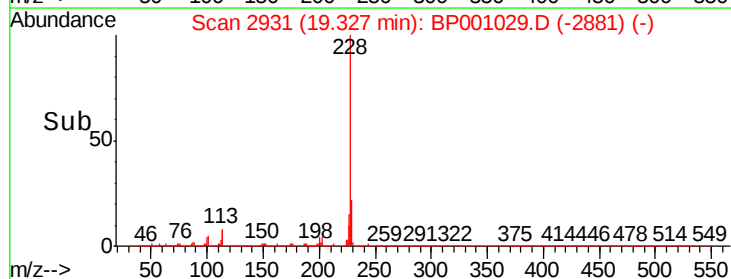
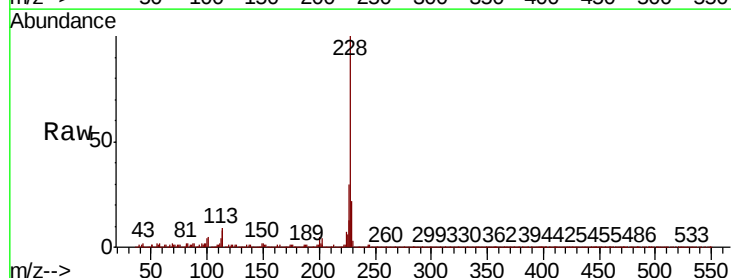
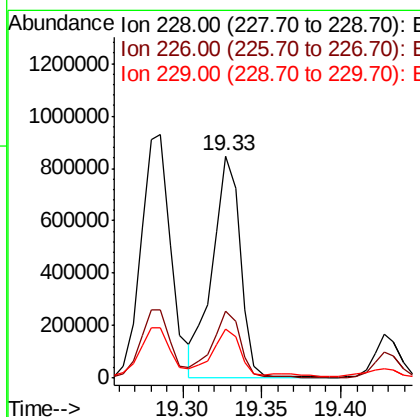
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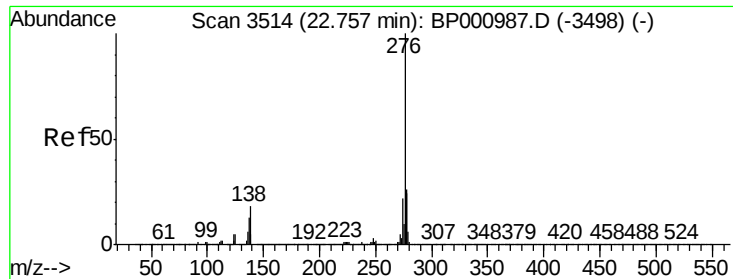
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#83
Chrysene
Concen: 24.103 ng
RT: 19.33 min Scan# 2931
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Tgt Ion:228 Resp: 1033776
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 22.3 15.8 23.6





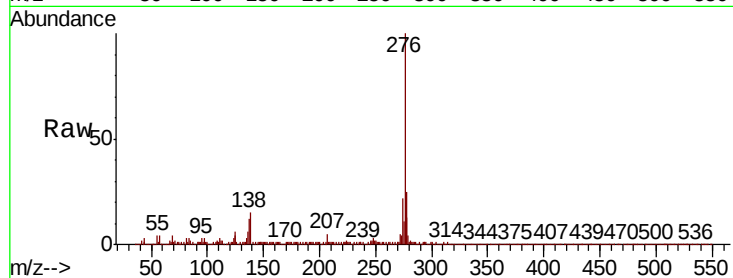
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.040 ng
RT: 22.74 min Scan# 3512
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampleID :
SP

Tot Ion	Ratio	Lower	Upper
276	100		
138	3.5	17.6	26.4#
277	5.1	20.2	30.4#

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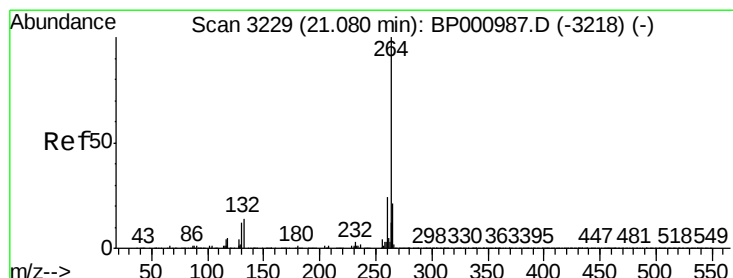
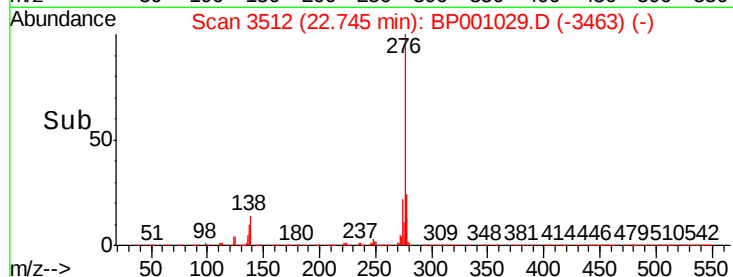
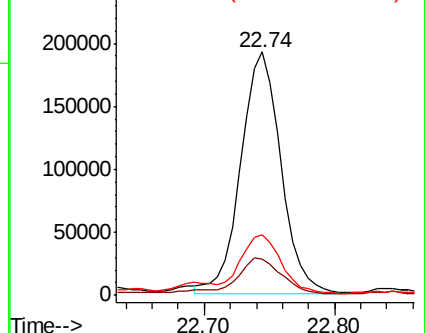


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3229
Delta R.T. -0.00 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

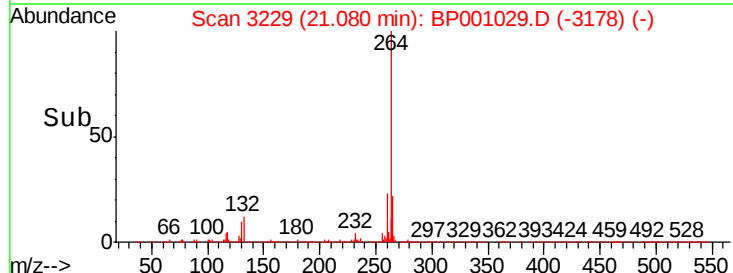
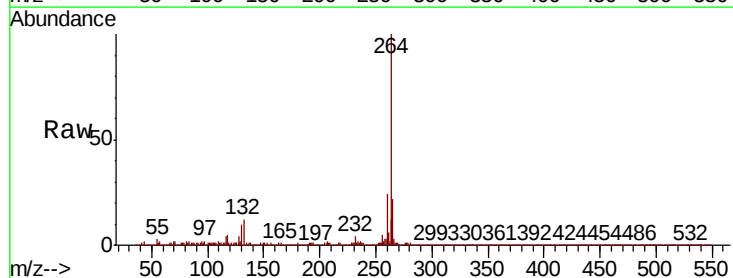
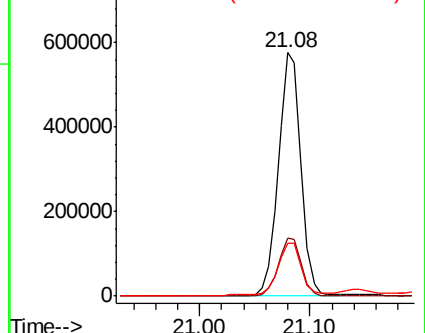
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.0	17.1	25.7

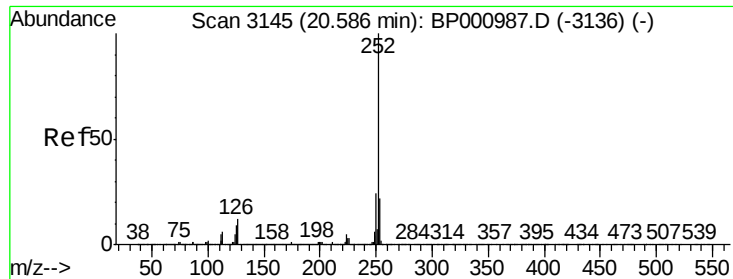
Abundance

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





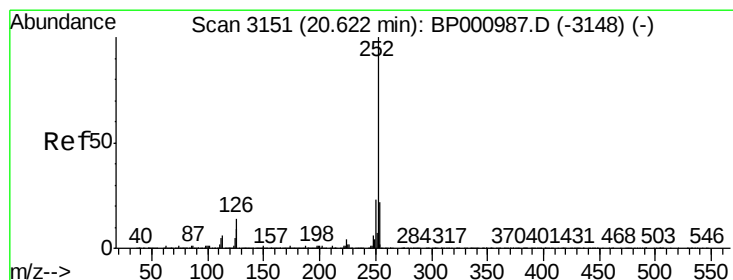
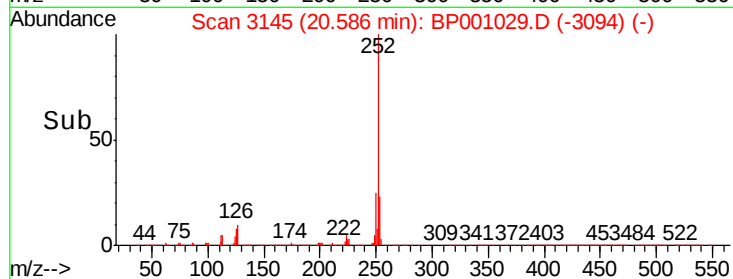
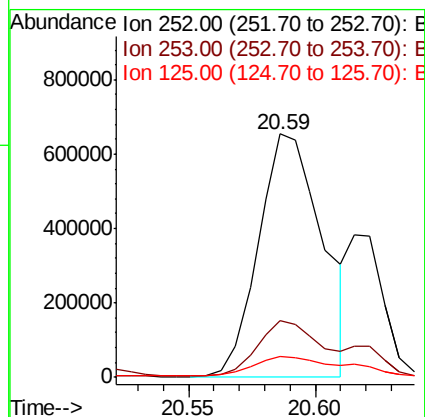
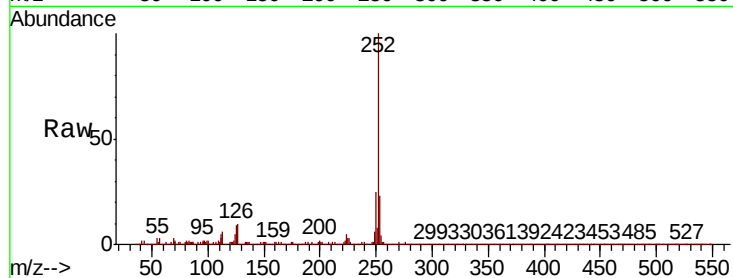
#88
Benzo(b)fluoranthene
Concen: 23.523 ng
RT: 20.59 min Scan# 3145
Delta R.T. -0.00 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampled :
SP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	8.8	7.3	10.9

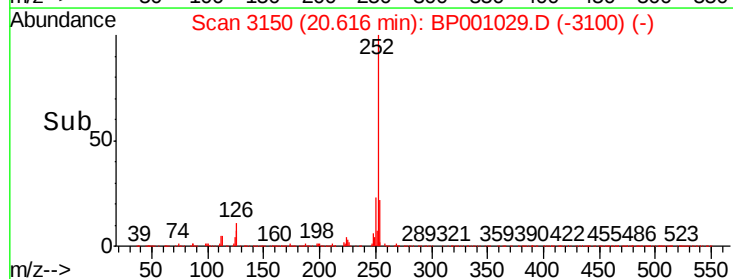
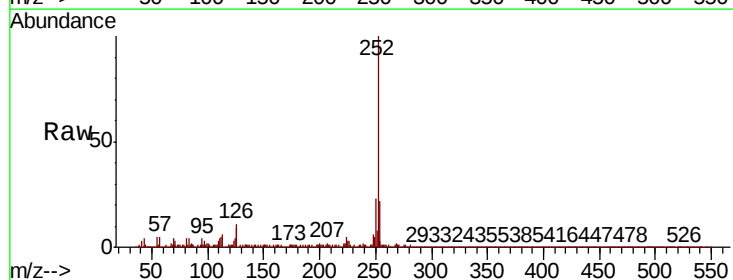
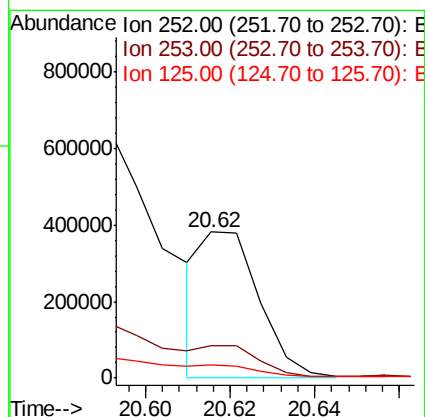
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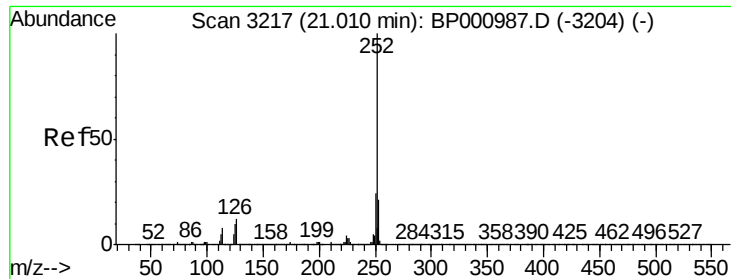
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#89
Benzo(k)fluoranthene
Concen: 7.944 ng m
RT: 20.62 min Scan# 3150
Delta R.T. -0.01 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.9	7.3	10.9





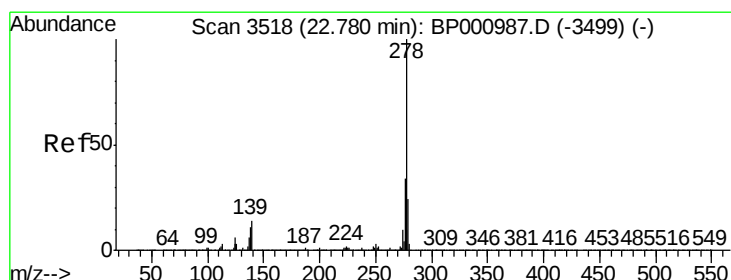
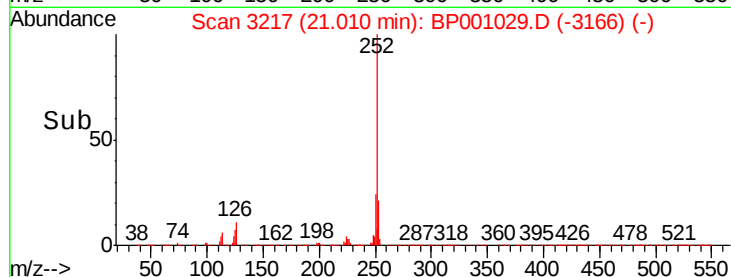
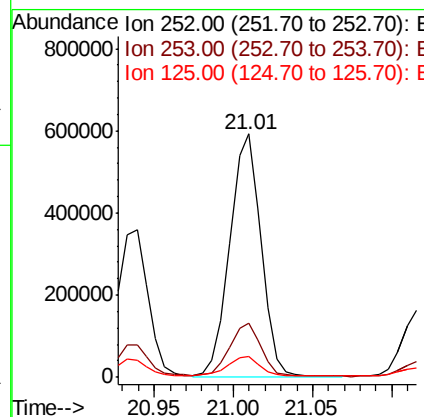
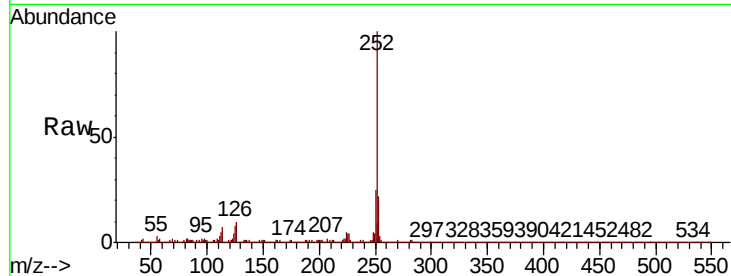
#90
Benzo(a)pyrene
Concen: 17.959 ng
RT: 21.01 min Scan# 3217
Delta R.T. -0.00 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Instrument :
BNA_P
ClientSampleId :
SP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.2	17.1	25.7
125	8.4	7.6	11.4

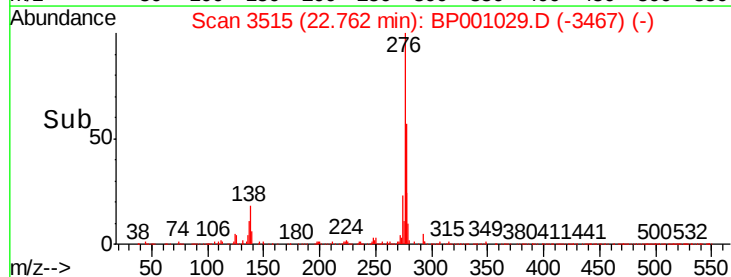
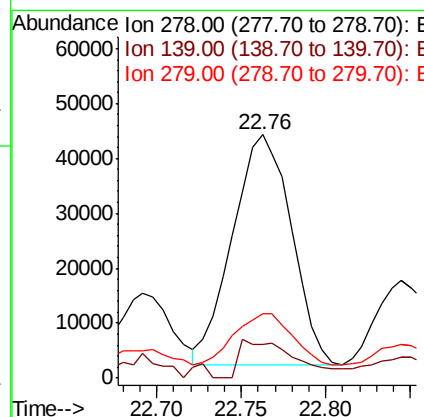
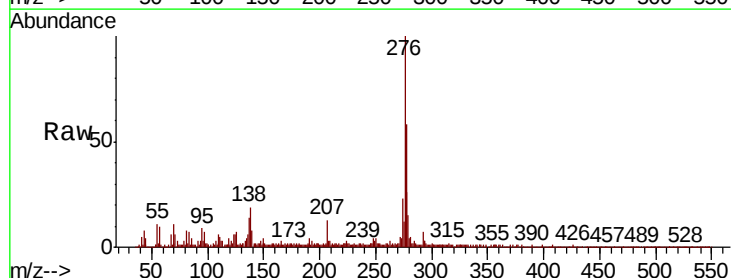
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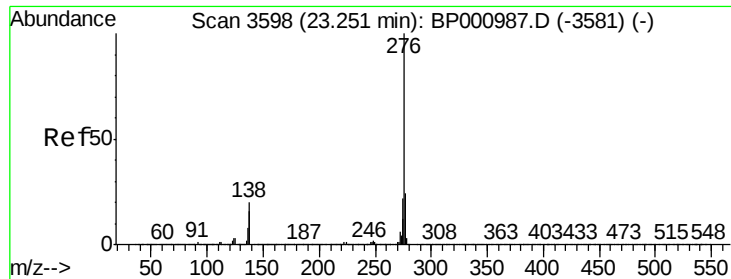
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.221 ng
RT: 22.76 min Scan# 3515
Delta R.T. -0.02 min
Lab File: BP001029.D
Acq: 11 Nov 2019 21:40

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	13.6	11.3	16.9
279	26.3	19.1	28.7





#92
 Benzo(a,h,i)perylene
 Concen: 8.078 ng/ml
 RT: 23.24 min Scan# 3596
 Delta R.T. -0.01 min
 Lab File: BP001029.D
 Acq: 11 Nov 2019 21:40

Instrument :
 BNA_P
 ClientSampleId :
 SP

Tot Ion:	276	Resp:	371387
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.4
138	15.6	15.7	23.5#

Manual Integrations
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