

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
 Data File : BP000701.D
 Acq On : 13 Oct 2019 04:54
 Operator : JU
 Sample : K5348-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 20190834-COMPOSITE-J

Manual Integrations
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Quant Time: Oct 14 07:38:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	231406	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	824396	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	443110	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	786873	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	649348	20.00	ng	-0.01
87) Perylene-d12	15.45	264	688553	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	231470	16.08	ng	-0.02
7) Phenol-d6	6.39	99	1458324	84.06	ng	-0.02
23) Nitrobenzene-d5	7.31	82	913317	67.66	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	9233	1.96	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1587668	57.97	ng	-0.02
79) Terphenyl-d14	12.90	244	1705599	53.18	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.29	77	68284	7.557	ng	Qvalue 98
10) Phenol	6.40	94	144764	8.150	ng	92
49) Acenaphthylene	9.66	152	80099	2.053	ng	99
50) Dimethylphthalate	9.51	163	352836	11.460	ng	99
71) Phenanthrene	11.32	178	130807	3.310	ng	99
72) Anthracene	11.37	178	87920	2.244	ng	99
75) Fluoranthene	12.52	202	465961	10.498	ng	99
78) Pyrene	12.75	202	475329	10.614	ng	99
81) Benzo(a)anthracene	13.96	228	290442	7.331	ng	# 84
83) Chrysene	13.99	228	274969	7.071	ng	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	175986	7.170	ng	99
86) Indeno(1,2,3-cd)pyrene	16.91	276	145035	2.986	ng	96
88) Benzo(b)fluoranthene	15.02	252	366174m	9.374	ng	
89) Benzo(k)fluoranthene	15.05	252	133318m	3.585	ng	
90) Benzo(a)pyrene	15.38	252	285426	7.838	ng	# 93
92) Benzo(g,h,i)perylene	17.35	276	141987	3.956	ng	100

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

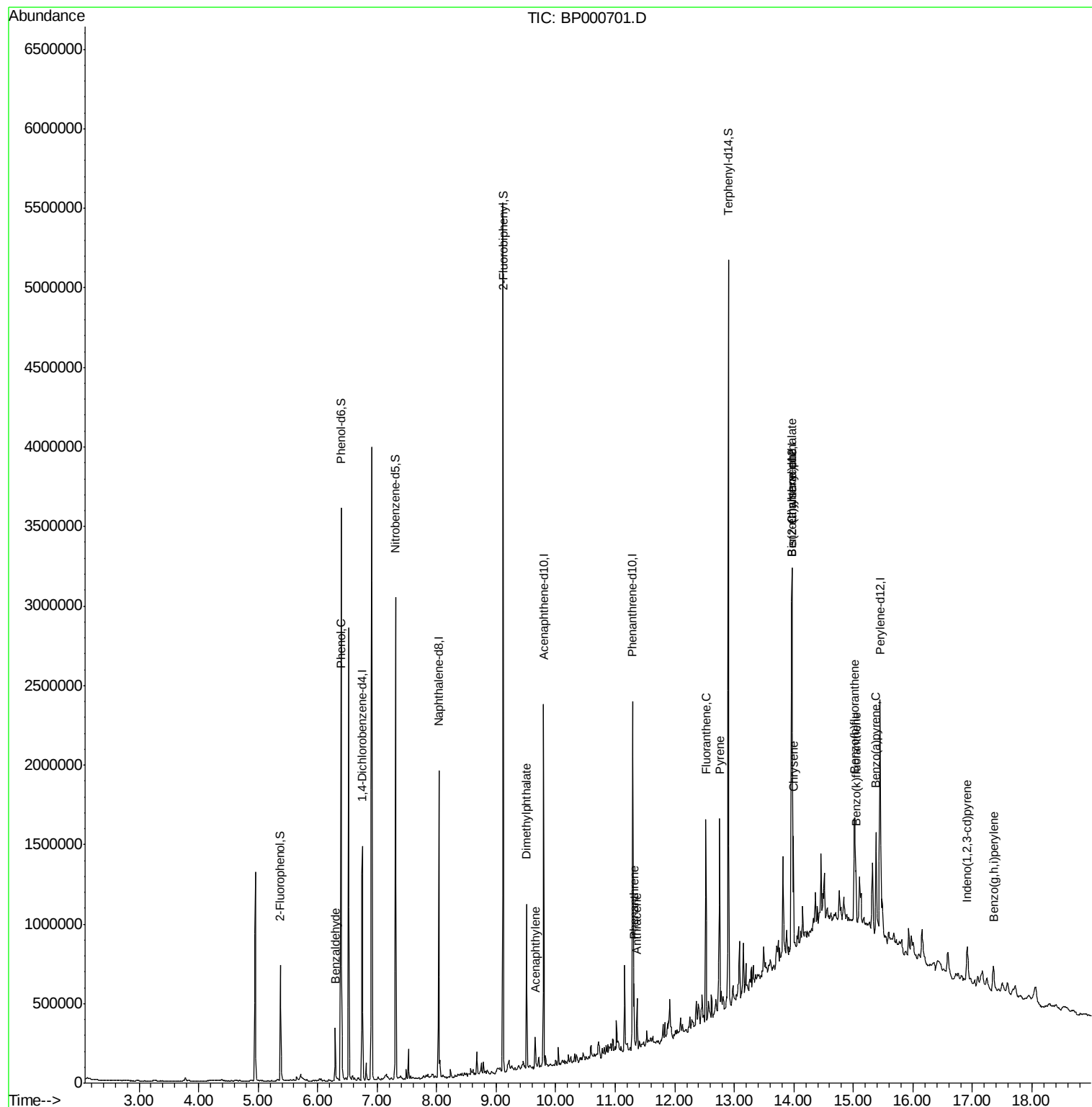
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
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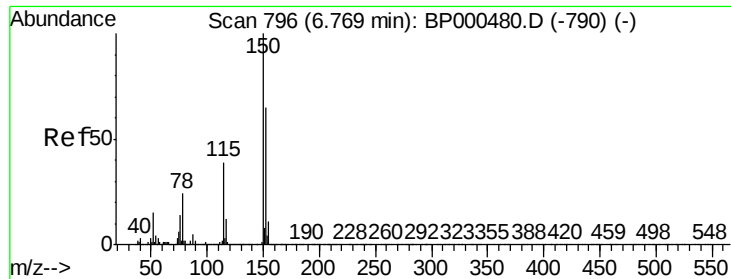
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#1

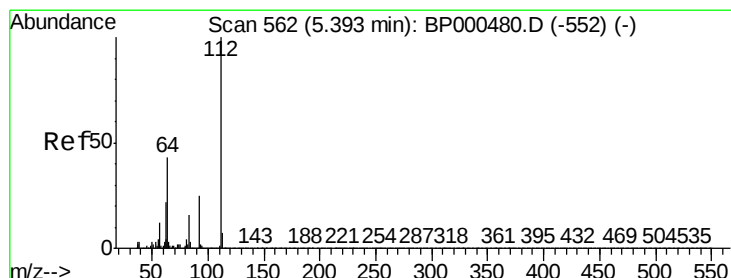
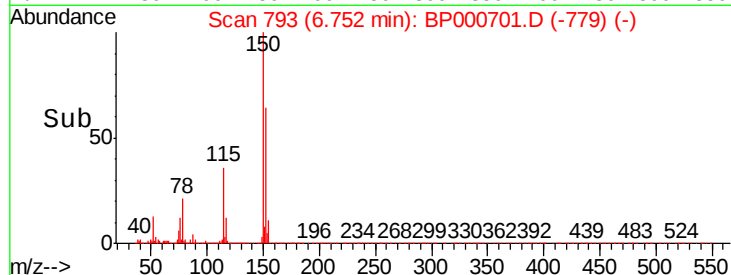
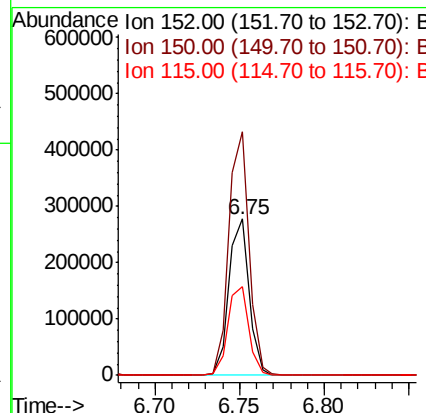
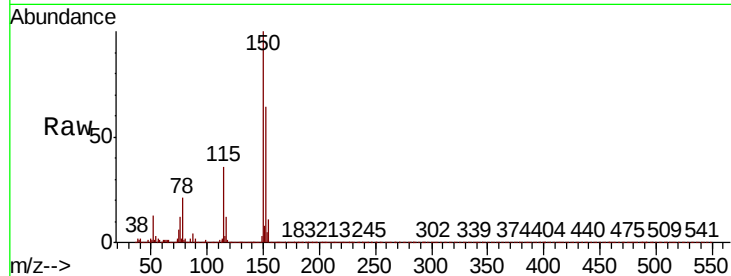
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.1	186.1
115	56.9	48.7	73.1

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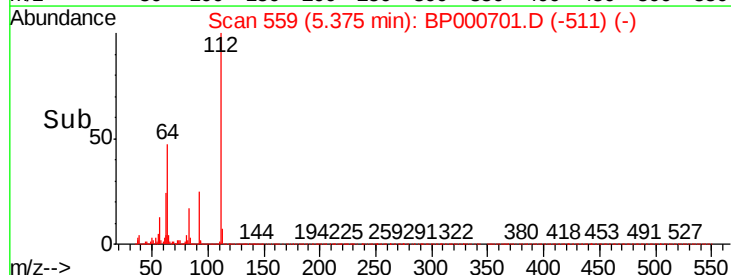
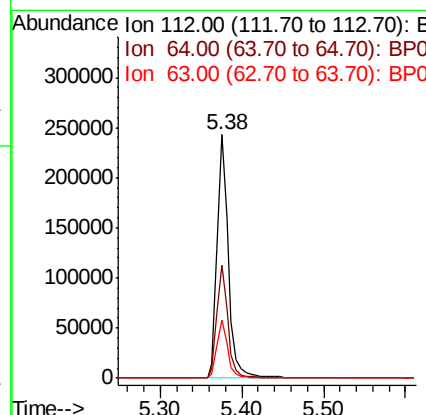
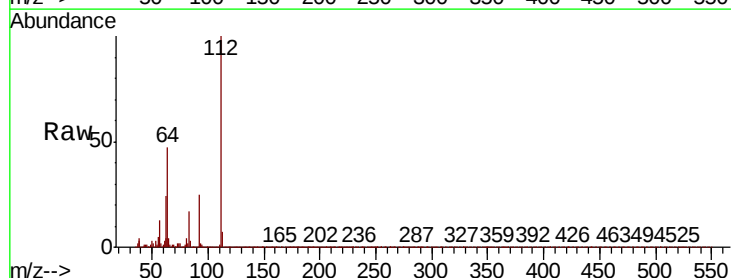
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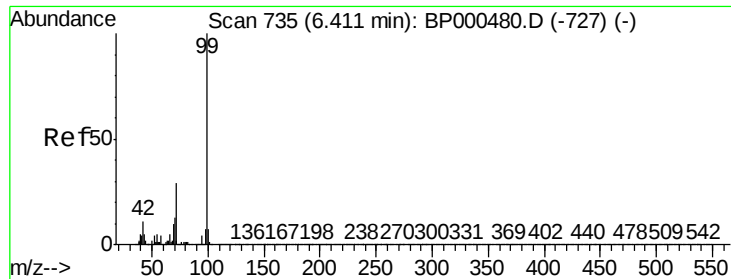


#5

2-Fluorophenol
Concen: 16.079 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.5	34.2	51.4
63	23.7	17.9	26.9





#7

Phenol-d6

Concen: 84.064 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Instrument :

BNA_P

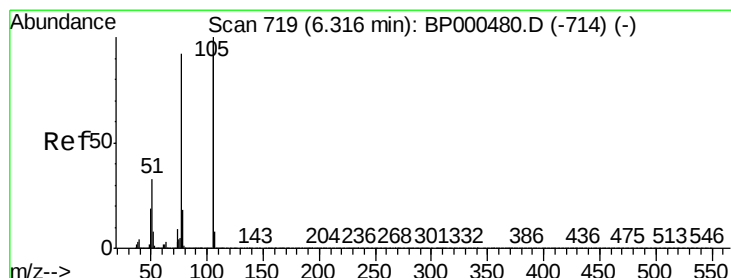
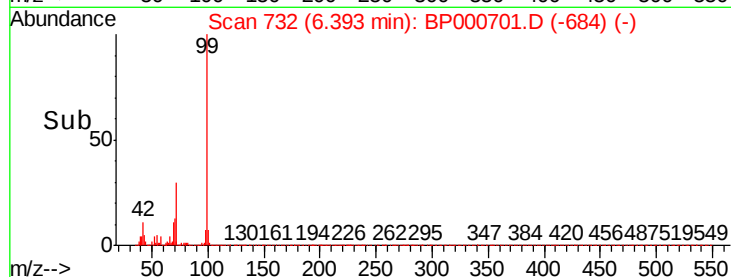
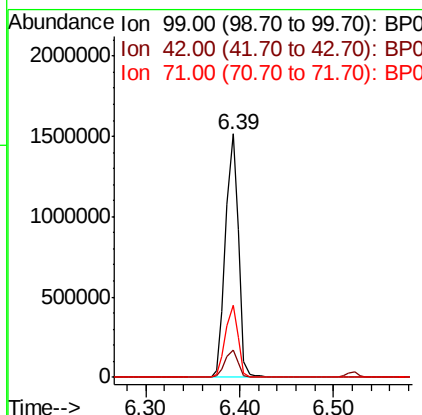
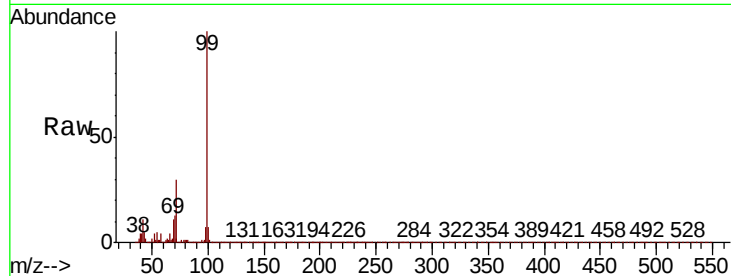
ClientSampleId :

20190834-COMPOSITE-J

Tot Ion:	99	Resp:	1458324
Ion	Ratio	Lower	Upper
99	100		
42	11.1	8.6	12.8
71	29.6	23.0	34.4

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#9

Benzaldehyde

Concen: 7.557 ng

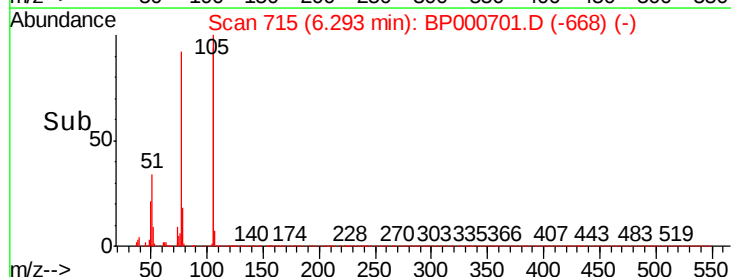
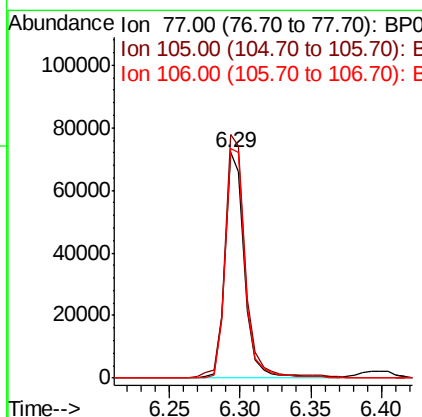
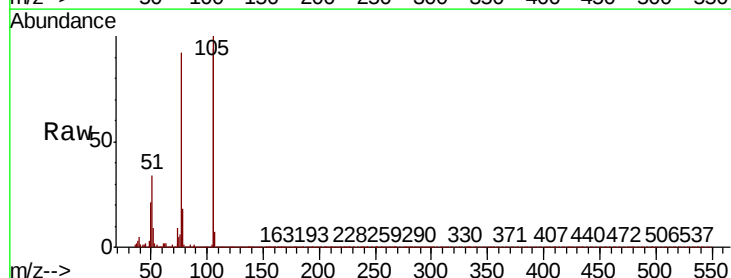
RT: 6.29 min Scan# 715

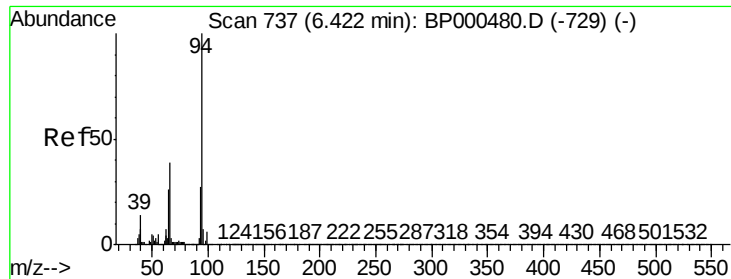
Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Tgt Ion:	77	Resp:	68284
Ion	Ratio	Lower	Upper
77	100		
105	108.1	88.3	128.3
106	101.8	85.7	125.7





#10

Phenol

Concen: 8.150 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Instrument :

BNA_P

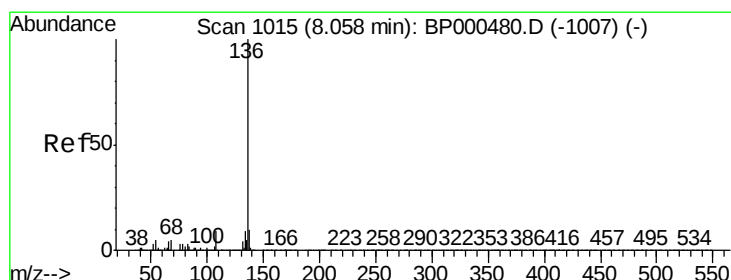
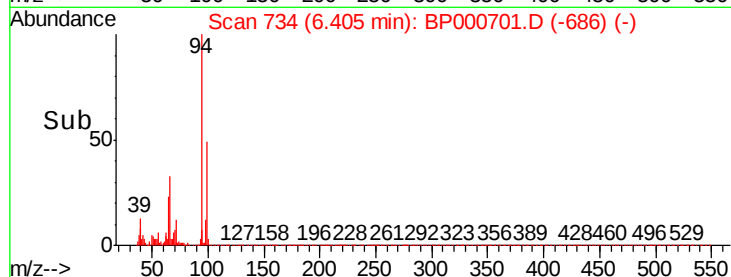
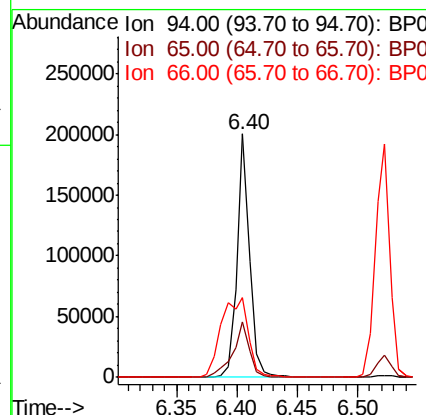
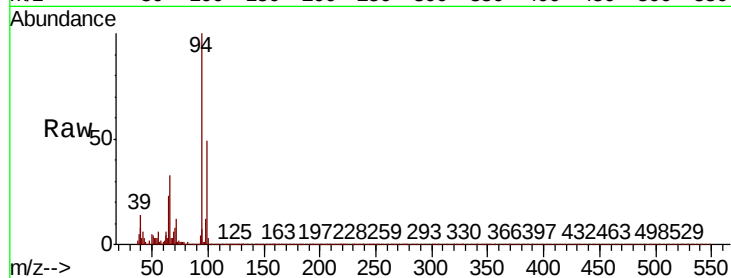
ClientSampleId :

20190834-COMPOSITE-J

Tot Ion:	94	Resp:	144764
Ion Ratio	Lower	Upper	
94	100		
65	23.0	5.9	45.9
66	32.8	18.8	58.8

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#21

Naphthalene-d8

Concen: 20.000 ng

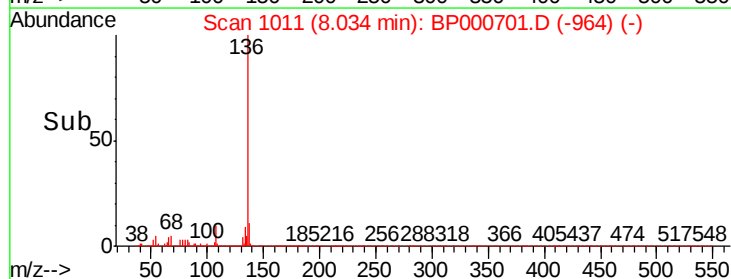
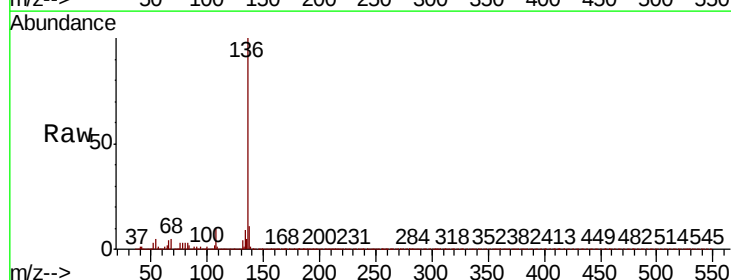
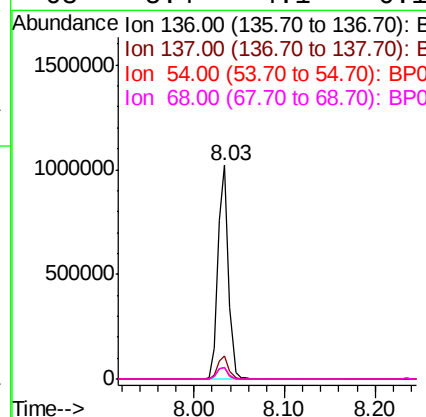
RT: 8.03 min Scan# 1011

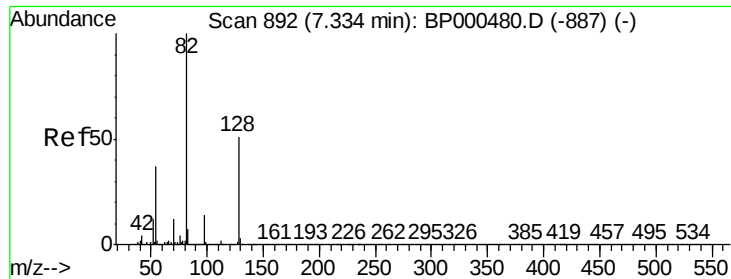
Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Tgt Ion:	136	Resp:	824396
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.2	12.4
54	5.4	4.1	6.1
68	5.4	4.1	6.1





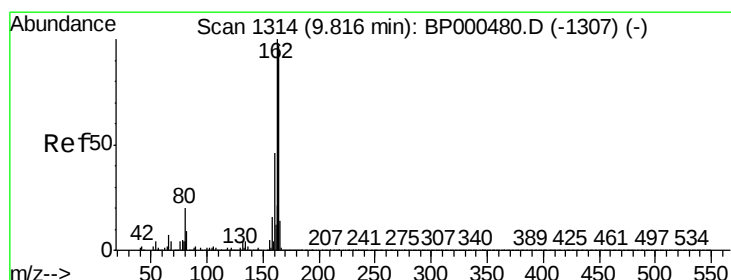
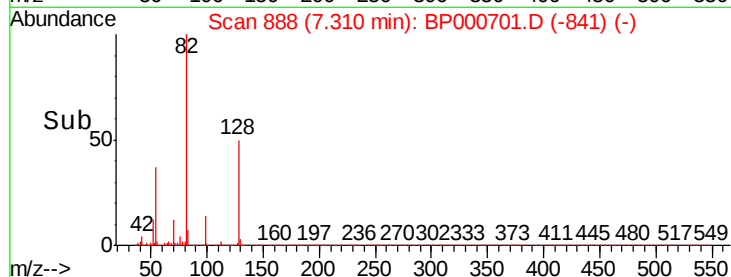
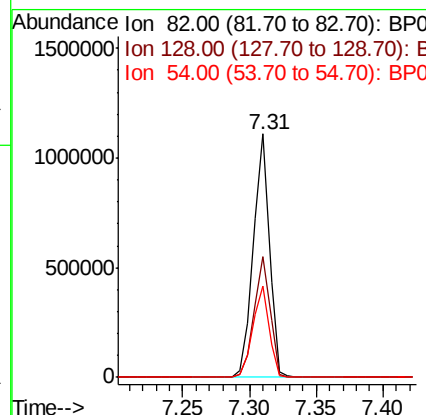
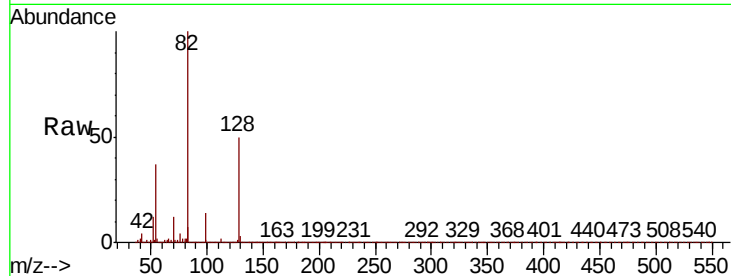
#23
Nitrobenzene-d5
Concen: 67.663 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	82	Resp	913317
Ion Ratio	Lower	Upper	
82	100		
128	49.6	40.9	61.3
54	37.2	29.4	44.2

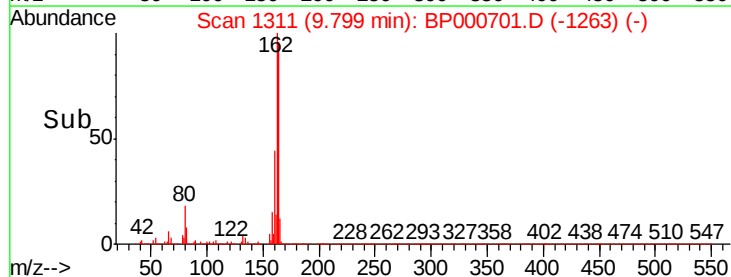
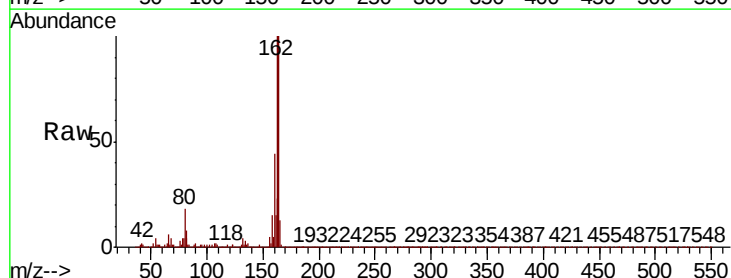
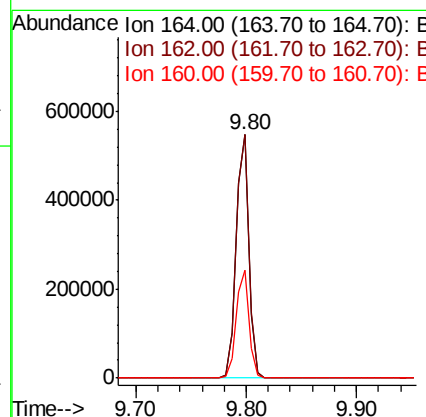
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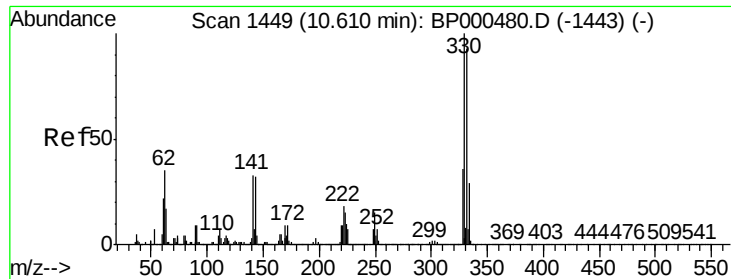
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion	164	Resp	443110
Ion Ratio	Lower	Upper	
164	100		
162	99.9	82.2	123.2
160	44.4	37.6	56.4





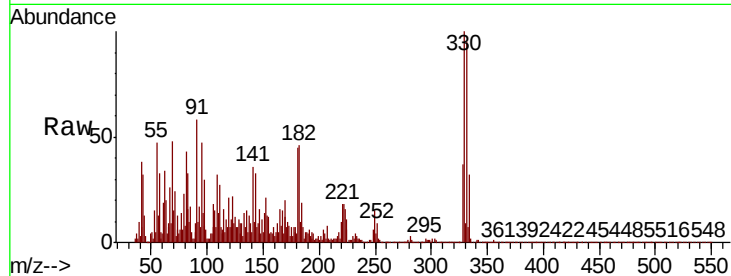
#42
2,4,6-Tribromophenol
Concen: 1.955 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.1	115.7
141	30.9	26.0	39.0

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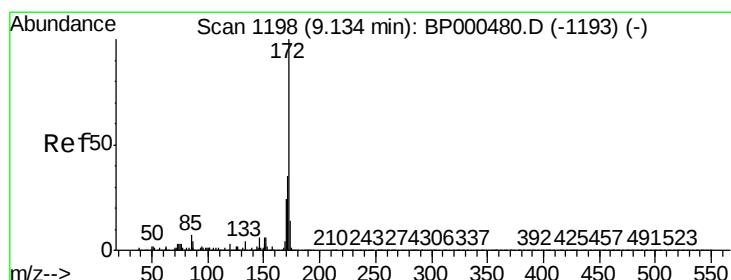
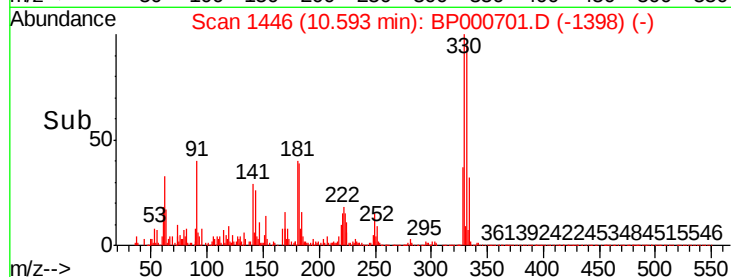
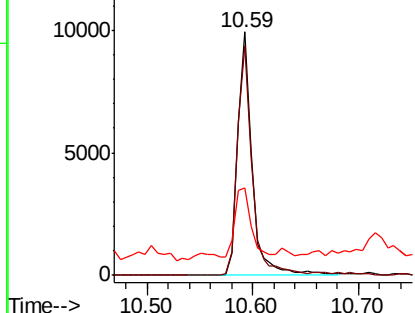


Abundance

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: 57.973 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

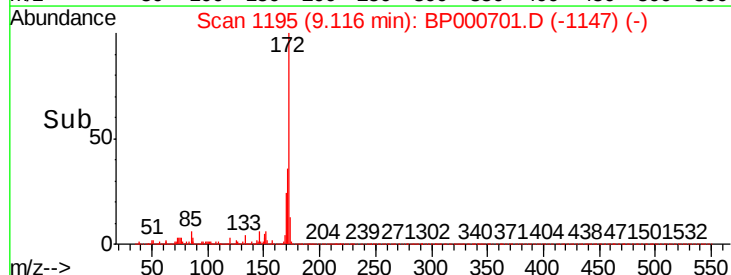
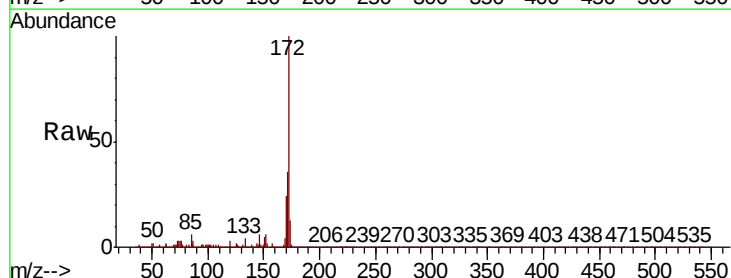
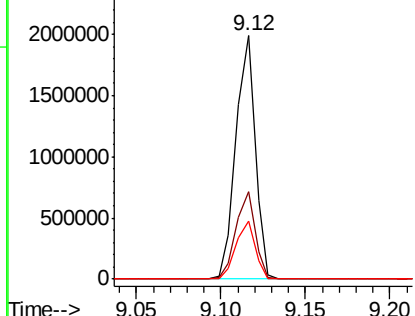
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	24.0	19.1	28.7

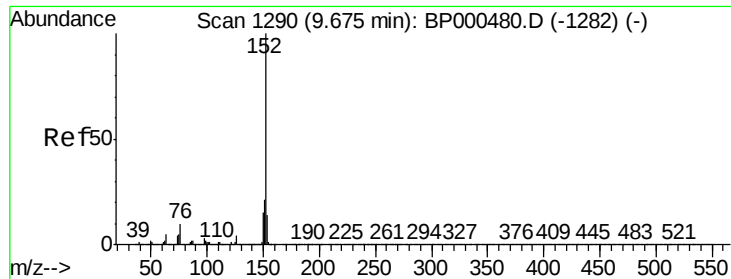
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





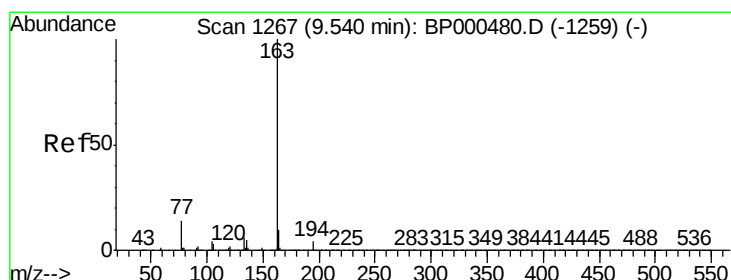
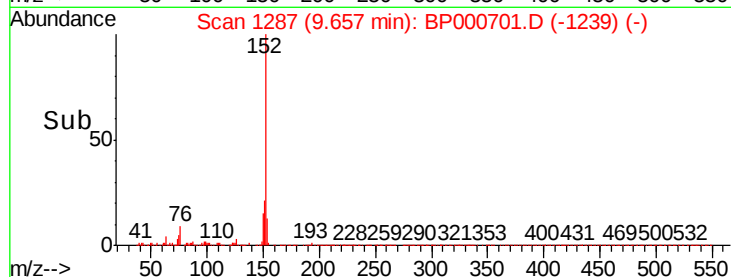
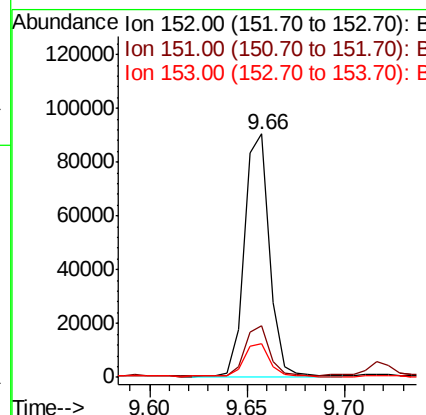
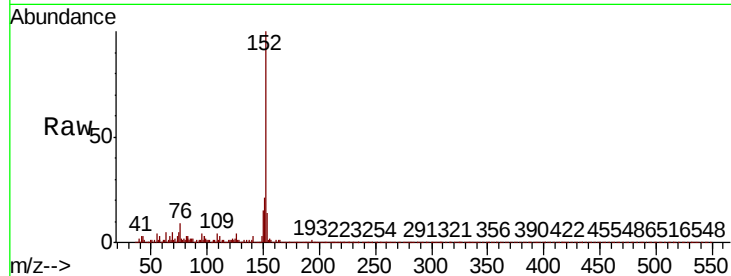
#49
Acenaphthylene
Concen: 2.053 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion:	152	Resp:	80099
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.6	25.0
153	13.8	11.0	16.6

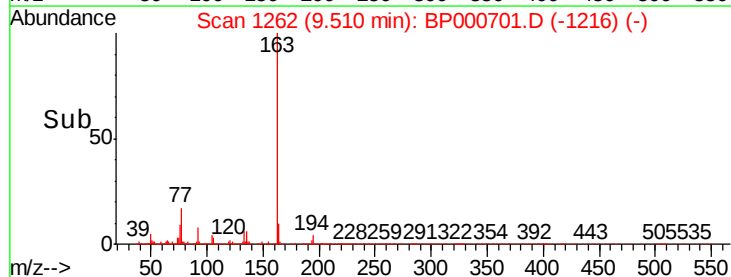
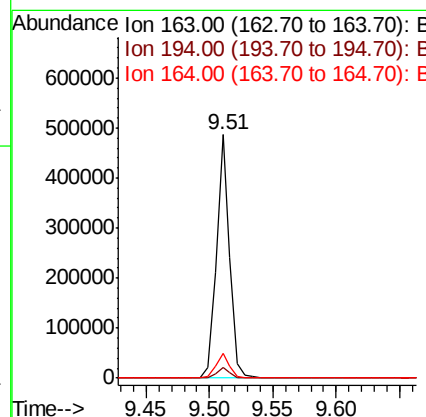
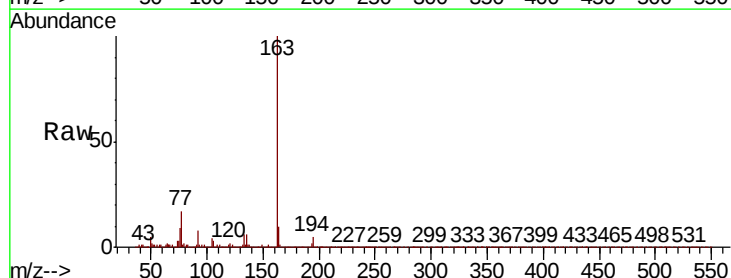
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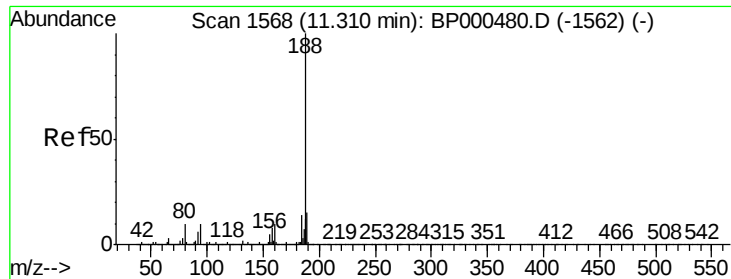
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#50
Dimethylphthalate
Concen: 11.460 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion:	163	Resp:	352836
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.4	5.2
164	10.2	8.0	12.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Instrument :

BNA_P

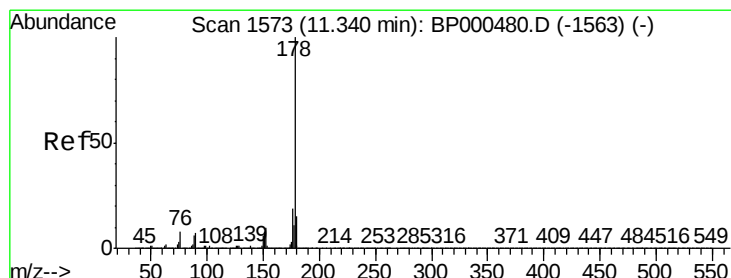
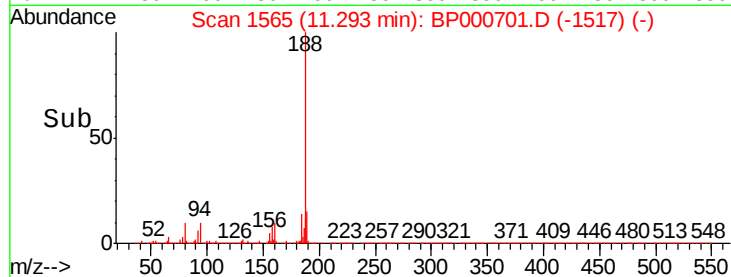
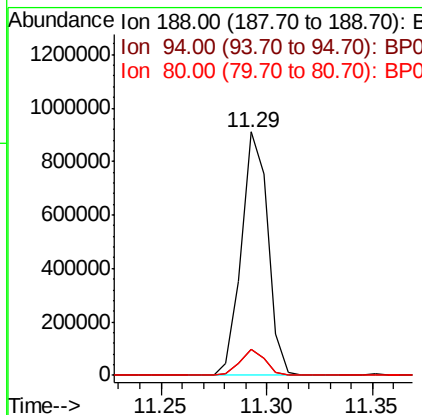
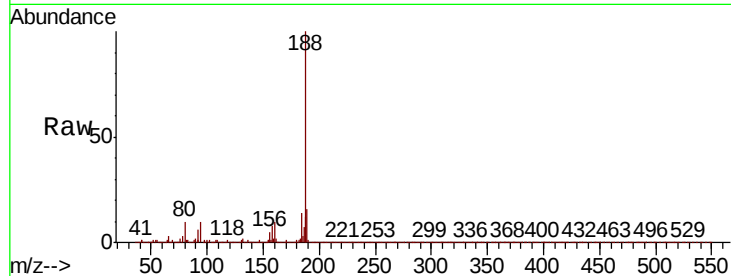
ClientSampleId :

20190834-COMPOSITE-J

Tot Ion	Ratio	Resp	Lower	Upper
188	100	786873		
94	10.5	8.2	12.2	
80	10.4	8.3	12.5	

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#71

Phenanthrene

Concen: 3.310 ng

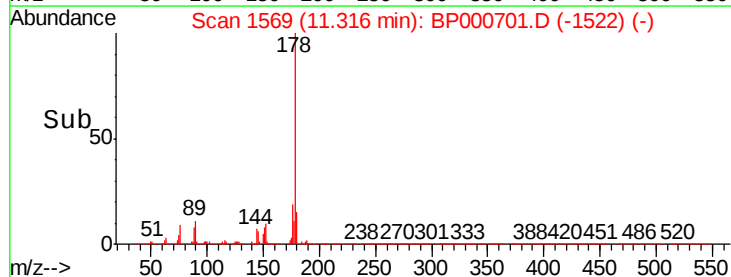
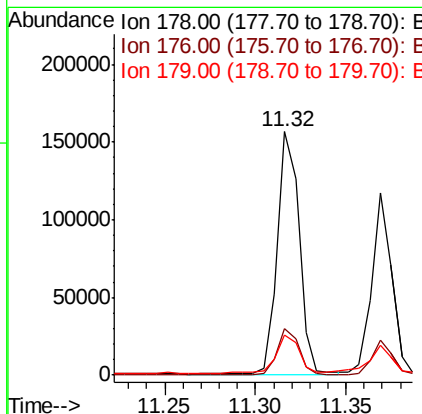
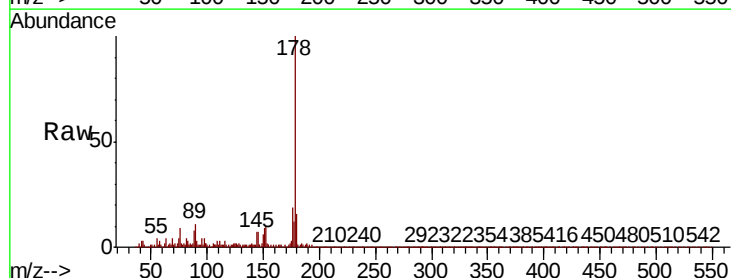
RT: 11.32 min Scan# 1569

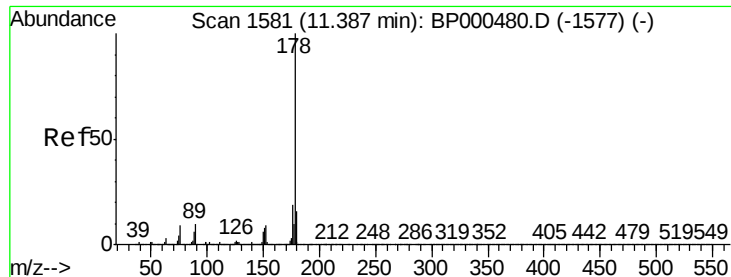
Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130807		
176	19.3	15.4	23.2	
179	16.4	12.2	18.4	





#72

Anthracene

Concen: 2.244 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Instrument :

BNA_P

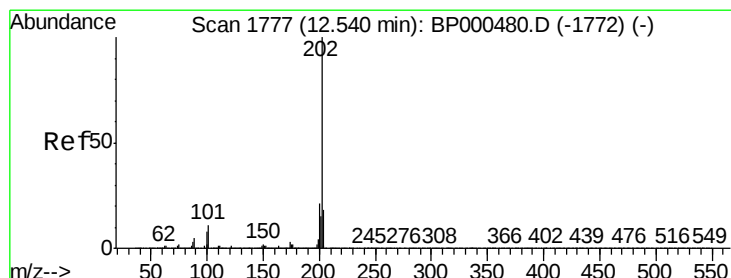
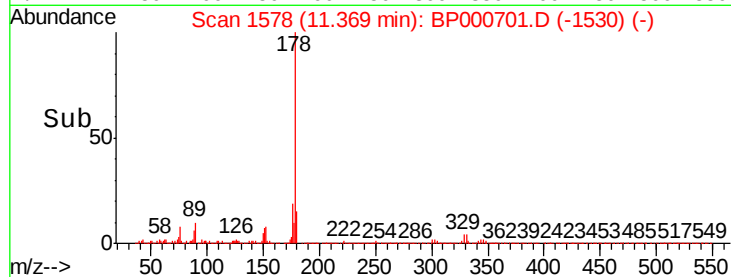
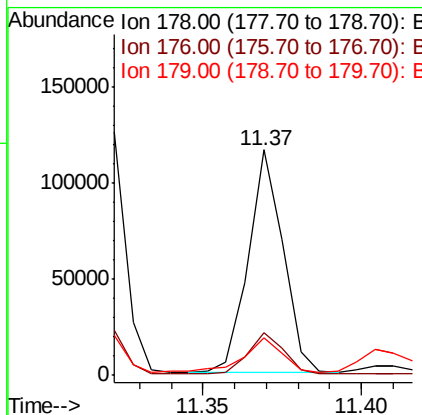
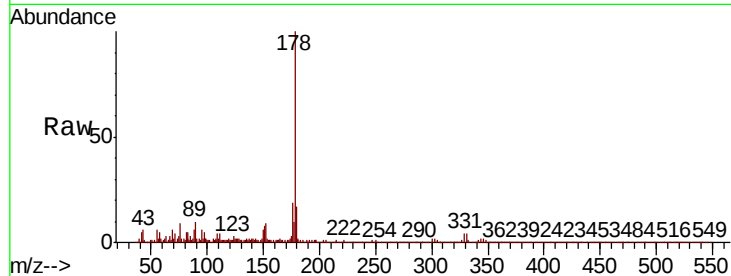
ClientSampleId :

20190834-COMPOSITE-J

Tot Ion:	178	Resp:	87920
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	16.6	12.6	19.0

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#75

Fluoranthene

Concen: 10.498 ng

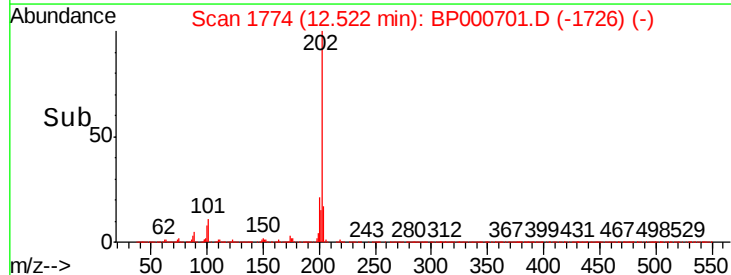
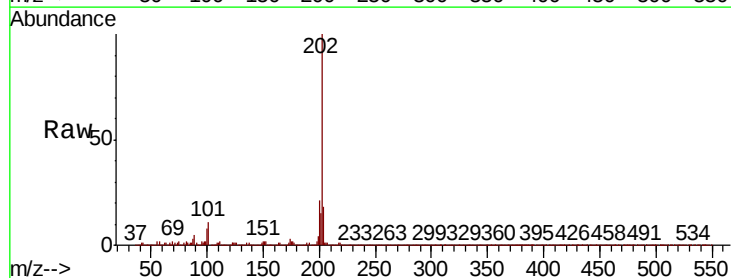
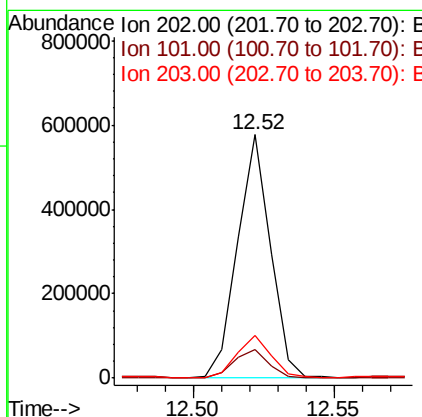
RT: 12.52 min Scan# 1774

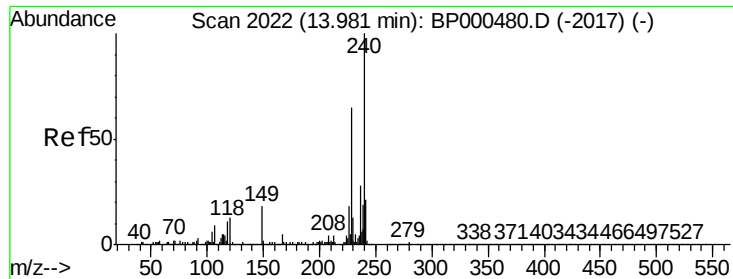
Delta R.T. -0.02 min

Lab File: BP000701.D

Acq: 13 Oct 2019 04:54

Tgt Ion:	202	Resp:	465961
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.3
203	17.7	0.0	38.1





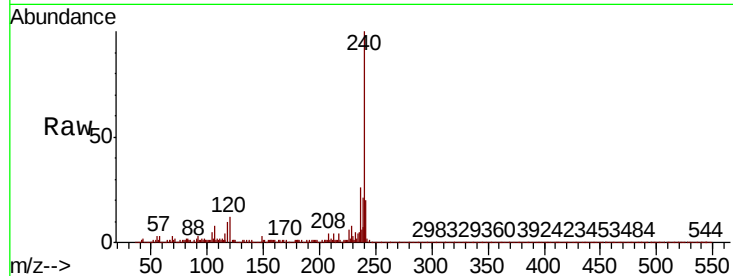
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.8	10.1	15.1
236	26.3	22.7	34.1

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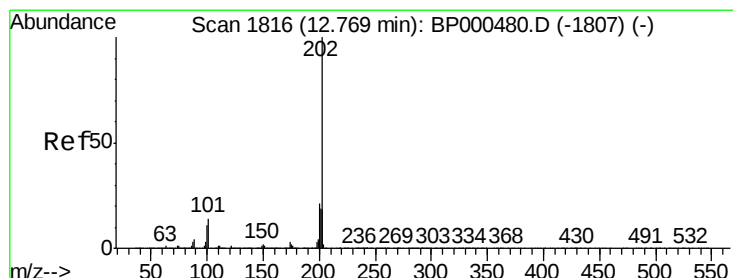
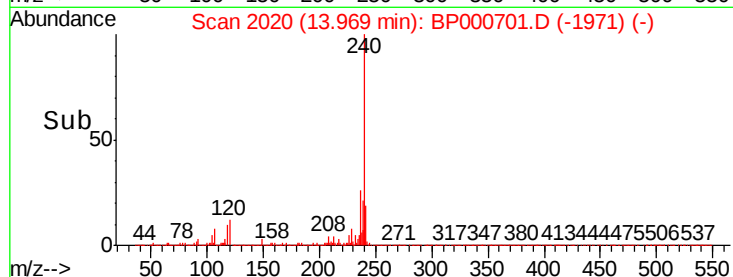
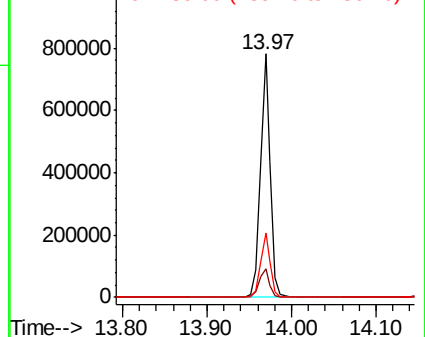


Abundance

Ion 240.00 (239.70 to 240.70): E

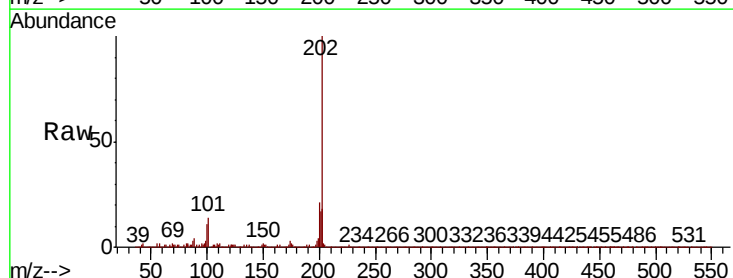
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 10.614 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.8	14.6	21.8

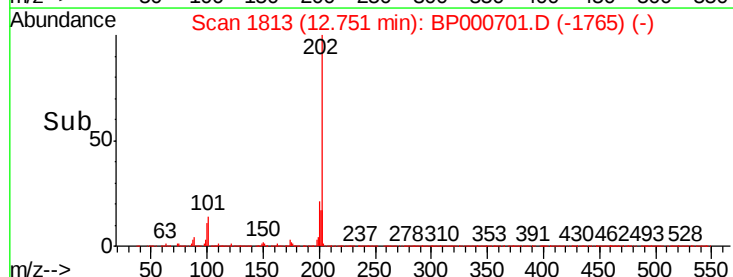
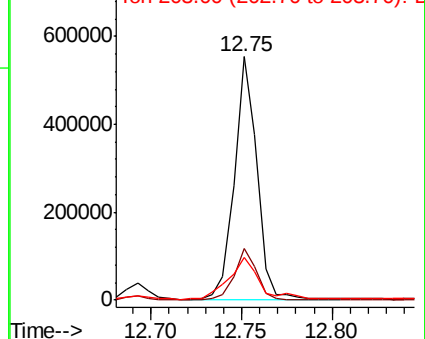


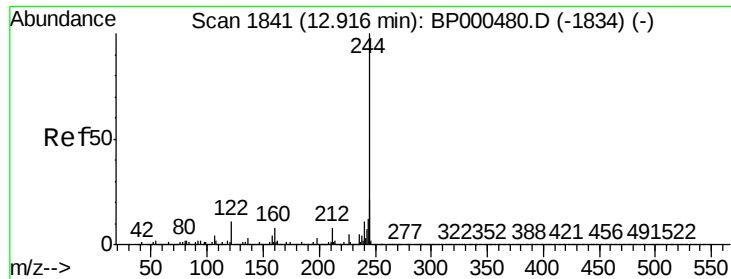
Abundance

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





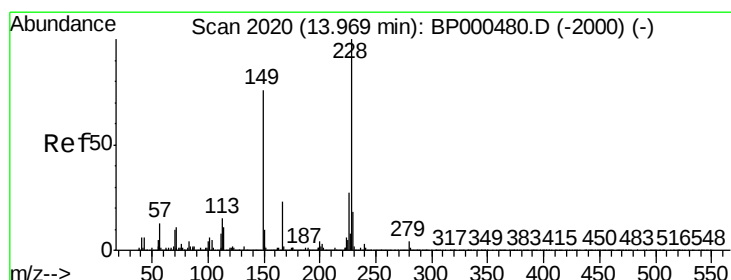
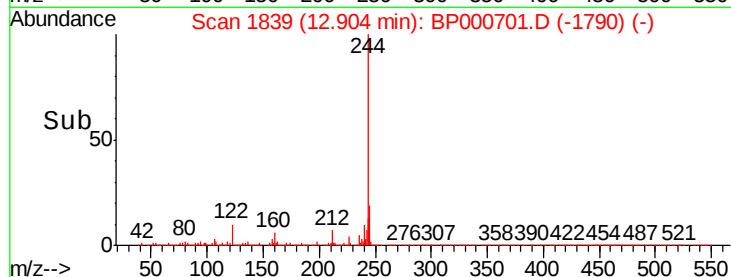
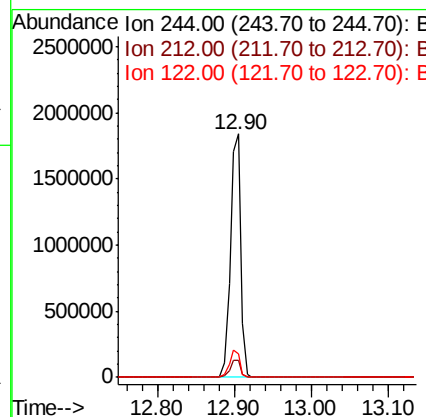
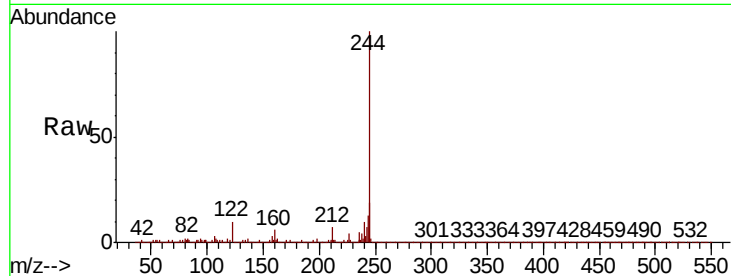
#79
 Terphenyl-d14
 Concen: 53.182 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BP000701.D
 Acq: 13 Oct 2019 04:54

Instrument :
 BNA_P
 ClientSampleId :
 20190834-COMPOSITE-J

Tot Ion:244 Resp: 1705599
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.7 8.9 13.3

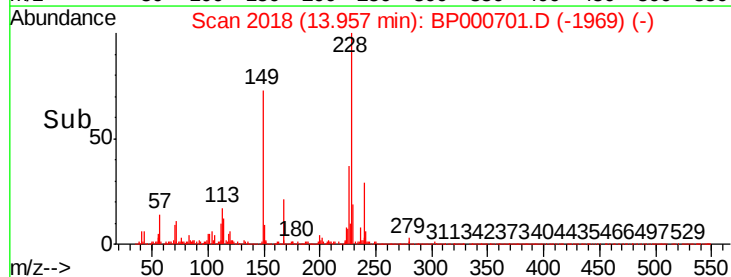
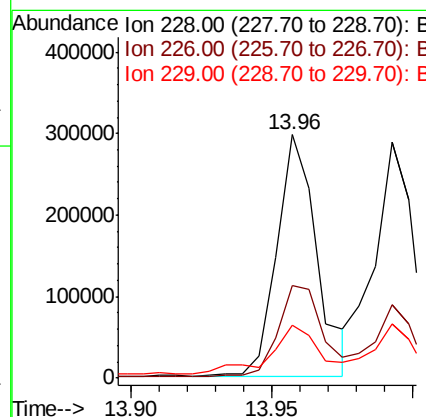
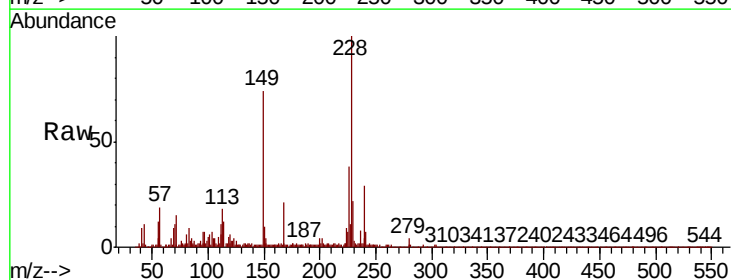
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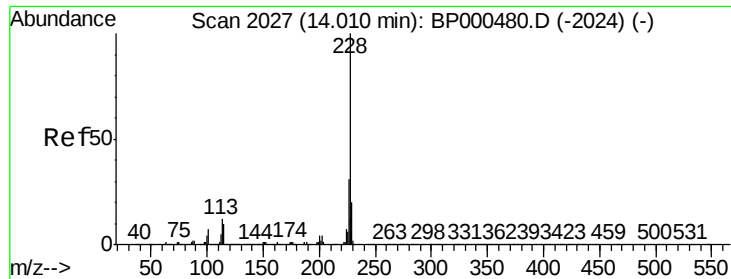
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#81
 Benzo(a)anthracene
 Concen: 7.331 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000701.D
 Acq: 13 Oct 2019 04:54

Tgt Ion:228 Resp: 290442
 Ion Ratio Lower Upper
 228 100
 226 38.2 21.4 32.2#
 229 21.5 14.7 22.1





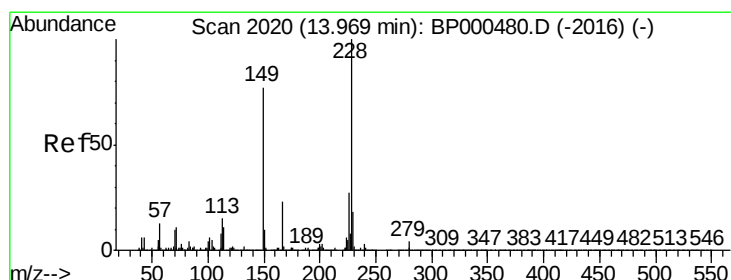
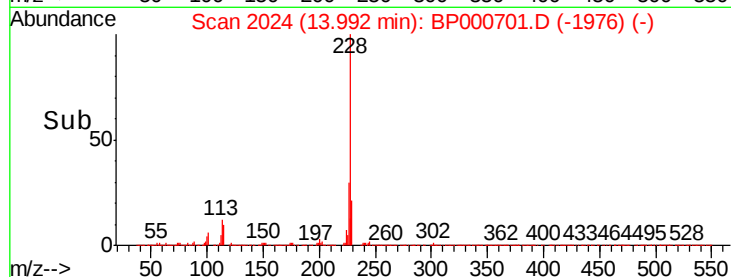
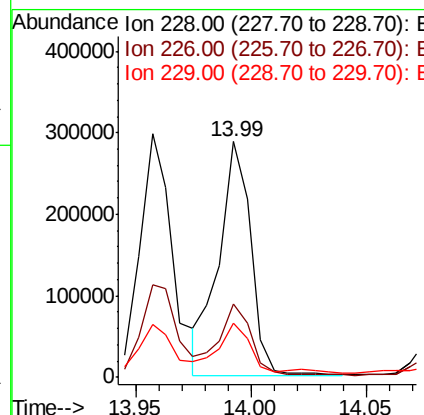
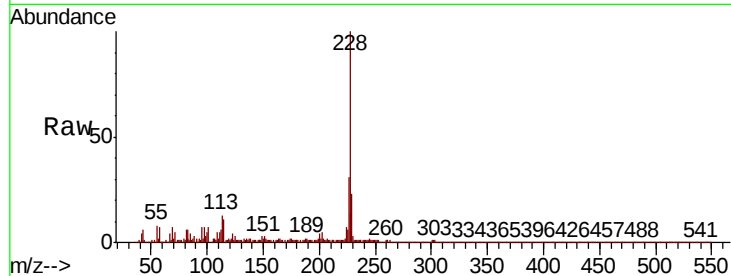
#83
 Chrysene
 Concen: 7.071 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BP000701.D
 Acq: 13 Oct 2019 04:54

Instrument :
 BNA_P
 ClientSampleId :
 20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	22.9	16.3	24.5

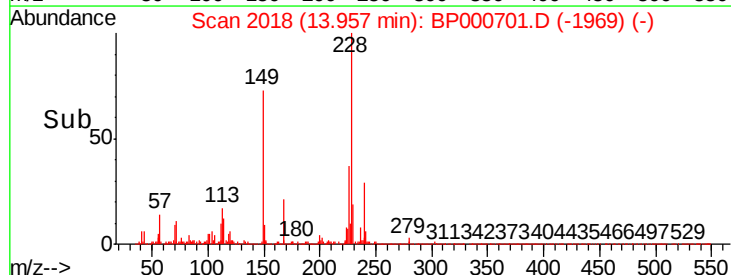
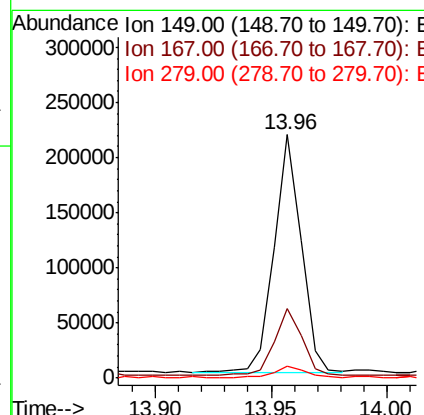
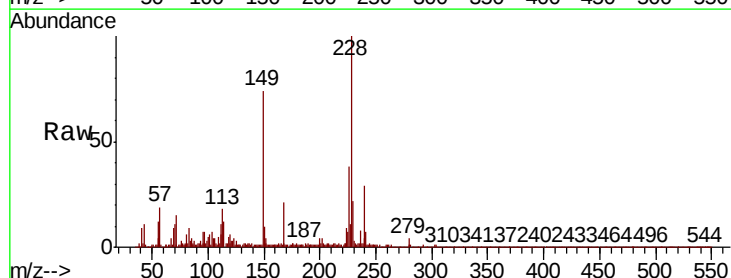
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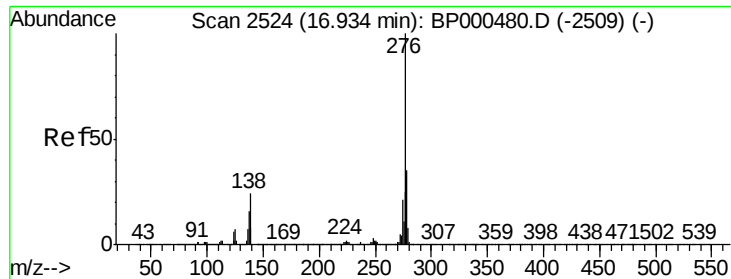
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 7.170 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BP000701.D
 Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.7	23.6	35.4
279	4.7	3.9	5.9





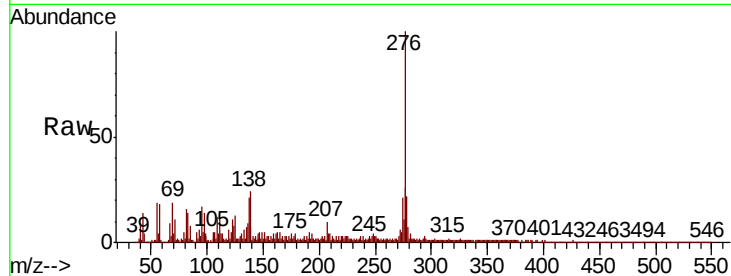
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.986 ng
RT: 16.91 min Scan# 2520
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.8	20.9	31.3
277	24.9	20.6	30.8

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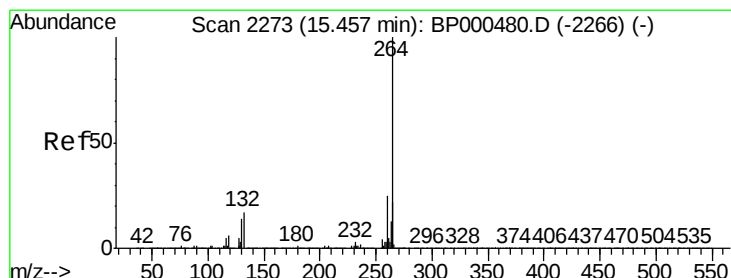
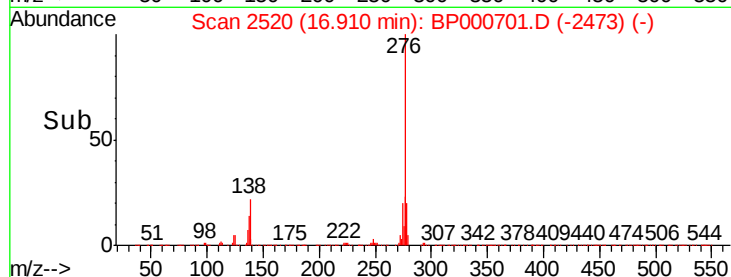
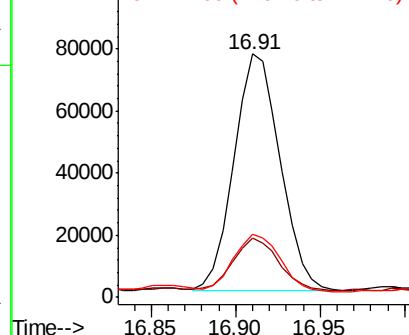


Abundance

Ion 276.00 (275.70 to 276.70): E

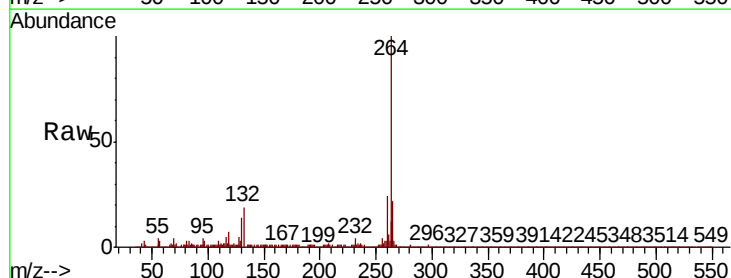
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	20.3	30.5
265	22.5	18.0	27.0

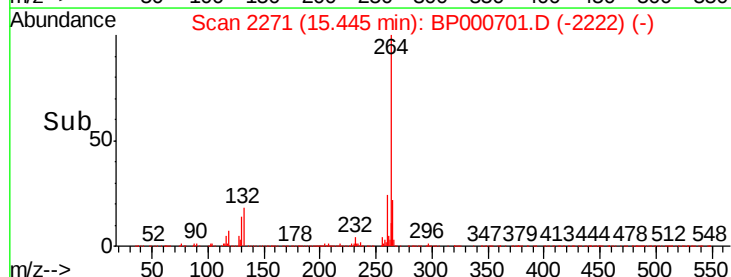
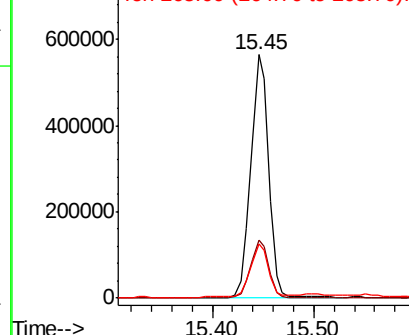


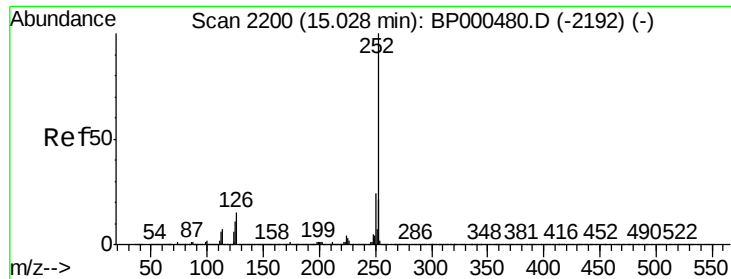
Abundance

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





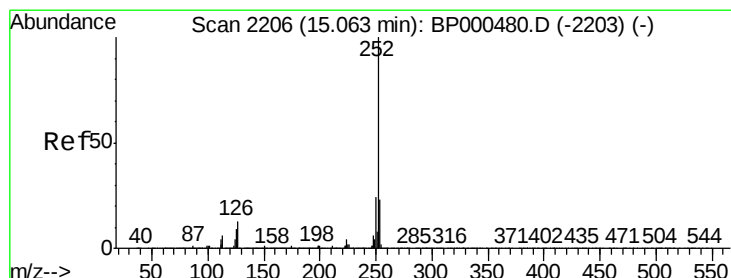
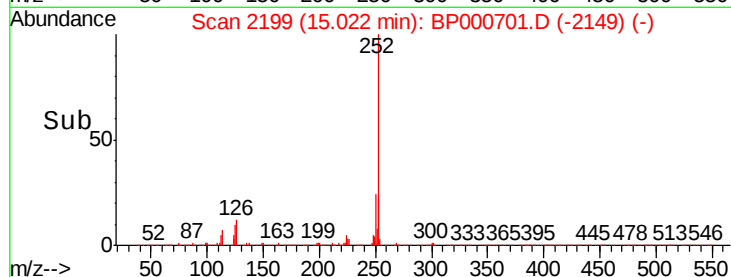
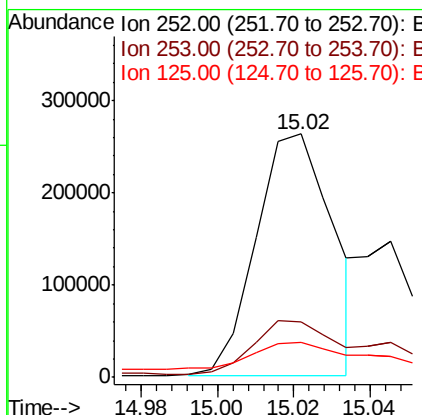
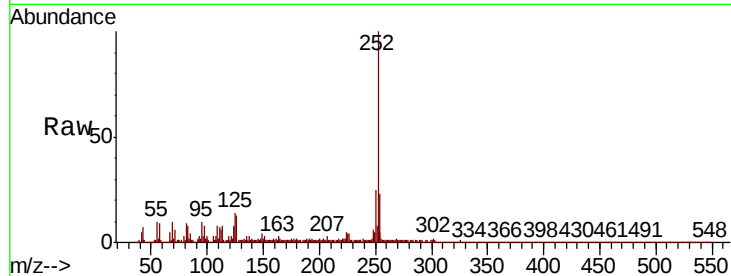
#88
Benzo(b)fluoranthene
Concen: 9.374 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	14.1	8.9	13.3

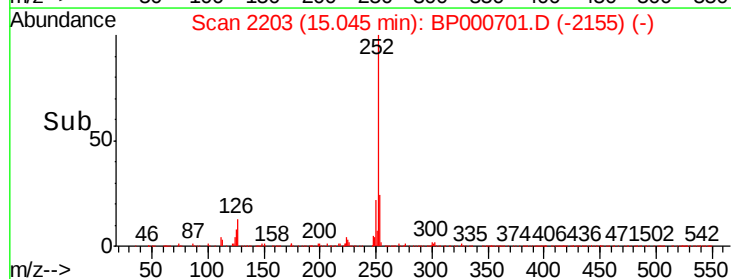
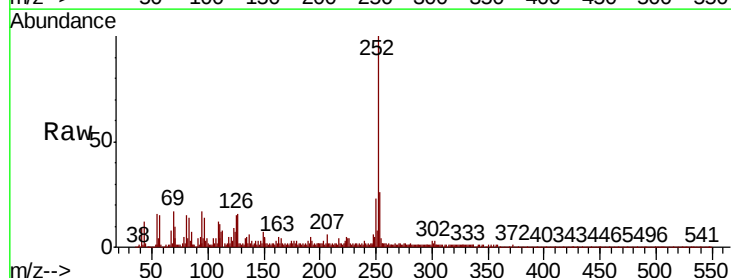
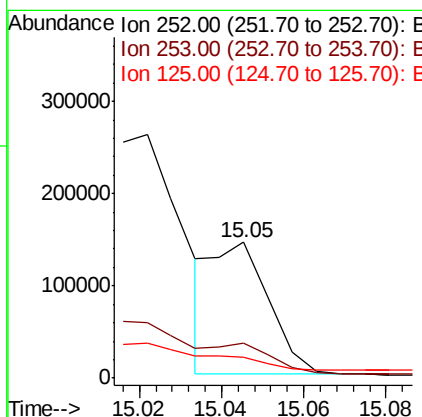
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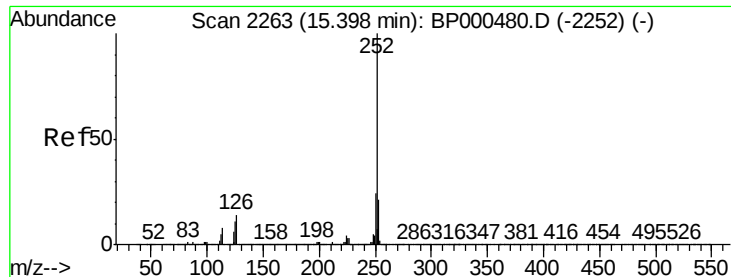
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#89
Benzo(k)fluoranthene
Concen: 3.585 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.4	27.6
125	15.1	7.8	11.8





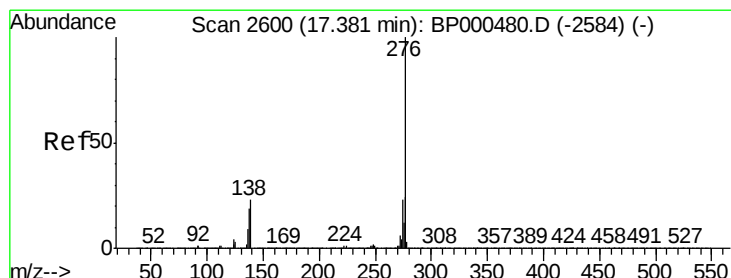
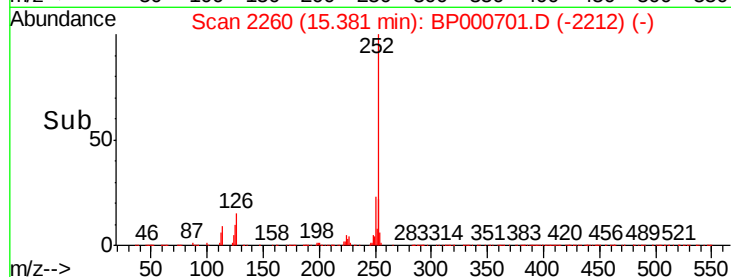
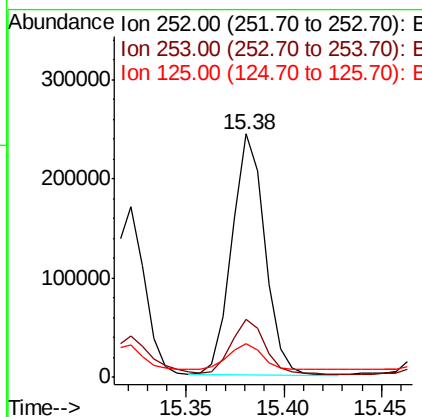
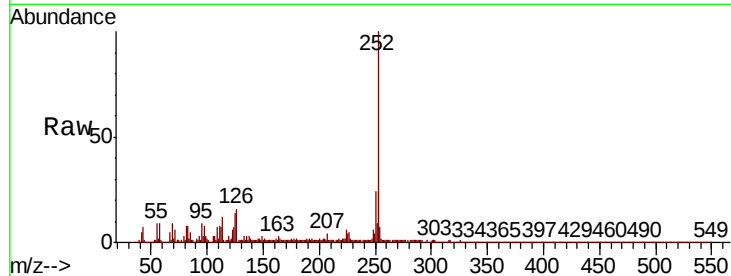
#90
Benzo(a)pyrene
Concen: 7.838 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Instrument :
BNA_P
ClientSampleId :
20190834-COMPOSITE-J

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	13.9	8.4	12.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.956 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BP000701.D
Acq: 13 Oct 2019 04:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	22.9	18.5	27.7

