

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022420\
 Data File : BP001919.D
 Acq On : 26 Feb 2020 09:51
 Operator : CG/JU
 Sample : L1543-09MS
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DBD92MS

Manual Integrations
 APPROVED

mohammad
 2/28/2020 8:49:21 AM

Quant Time: Feb 27 03:29:10 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SOM-EPA-BP021820MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Feb 26 05:53:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	302204	20.00	ng/ul	0.00
18) Naphthalene-d8	10.42	136	1301601	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	848374	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1975375	20.00	ng/ul	0.00
78) Chrysene-d12	21.13	240	2030762	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	1999888	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	35939	4.94	ng/uL	0.00
5) Phenol-d5	6.83	99	833117	36.48	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	430535	32.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	704575	38.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	675924	37.32	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	349236	39.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	385396	48.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	777716	41.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	514057	22.94	ng/ul	0.00
44) Dimethylphthalate-d6	13.70	166	2503896	42.06	ng/ul	0.00
47) Acenaphthylene-d8	13.97	160	2892645	39.46	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	442183	42.65	ng/ul	0.00
58) Fluorene-d10	15.29	176	2181150	40.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	310553	39.88	ng/ul	0.00
71) Anthracene-d10	17.14	188	3592262	41.28	ng/ul	0.00
79) Pyrene-d10	19.39	212	4214142	40.44	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	4337045	44.90	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.85	94	1018354	42.083	ng/ul 97
10) 2-Chlorophenol	7.22	128	798678	40.913	ng/ul 98
15) N-Nitroso-di-n-propylamine	8.45	70	559673	43.131	ng/ul 97
33) 4-Chloro-3-methylphenol	11.71	107	915801	49.457	ng/ul 99
45) Dimethylphthalate	13.75	163	364327	5.814	ng/ul 99
48) Acenaphthylene	14.00	152	99791	1.255	ng/ul 99
50) Acenaphthene	14.35	153	2142973	39.433	ng/ul 99
53) 4-Nitrophenol	14.50	109	387785	50.523	ng/ul 93
55) 2,4-Dinitrotoluene	14.65	165	847803	52.728	ng/ul 89
69) Pentachlorophenol	16.69	266	633203	52.270	ng/ul 99
70) Phenanthrene	17.08	178	137276	1.260	ng/ul 99
72) Anthracene	17.17	178	426088	3.960	ng/ul 100
75) Carbazole	17.44	167	134218	1.496	ng/ul 97
77) Fluoranthene	19.06	202	1916055	16.425	ng/ul 97
80) Pyrene	19.42	202	7093012	51.349	ng/ul 99
83) Benzo(a)anthracene	21.12	228	1220781	9.129	ng/ul 97
84) Bis(2-ethylhexyl)phthalate	21.07	149	162556	2.288	ng/ul 100
85) Chrysene	21.17	228	1944709	14.885	ng/ul 98
88) Benzo(b)fluoranthene	22.69	252	3462463	29.423	ng/ul 99
89) Benzo(k)fluoranthene	22.72	252	847499m	6.948	ng/ul
91) Benzo(a)pyrene	23.25	252	1078432	9.779	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.57	276	868204	6.302	ng/ul 95
93) Dibenzo(a,h)anthracene	25.58	278	203174	1.756	ng/ul# 82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Benzo(q,h,i)perylene	26.25	276	545449	4.658	ng/ul	98

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

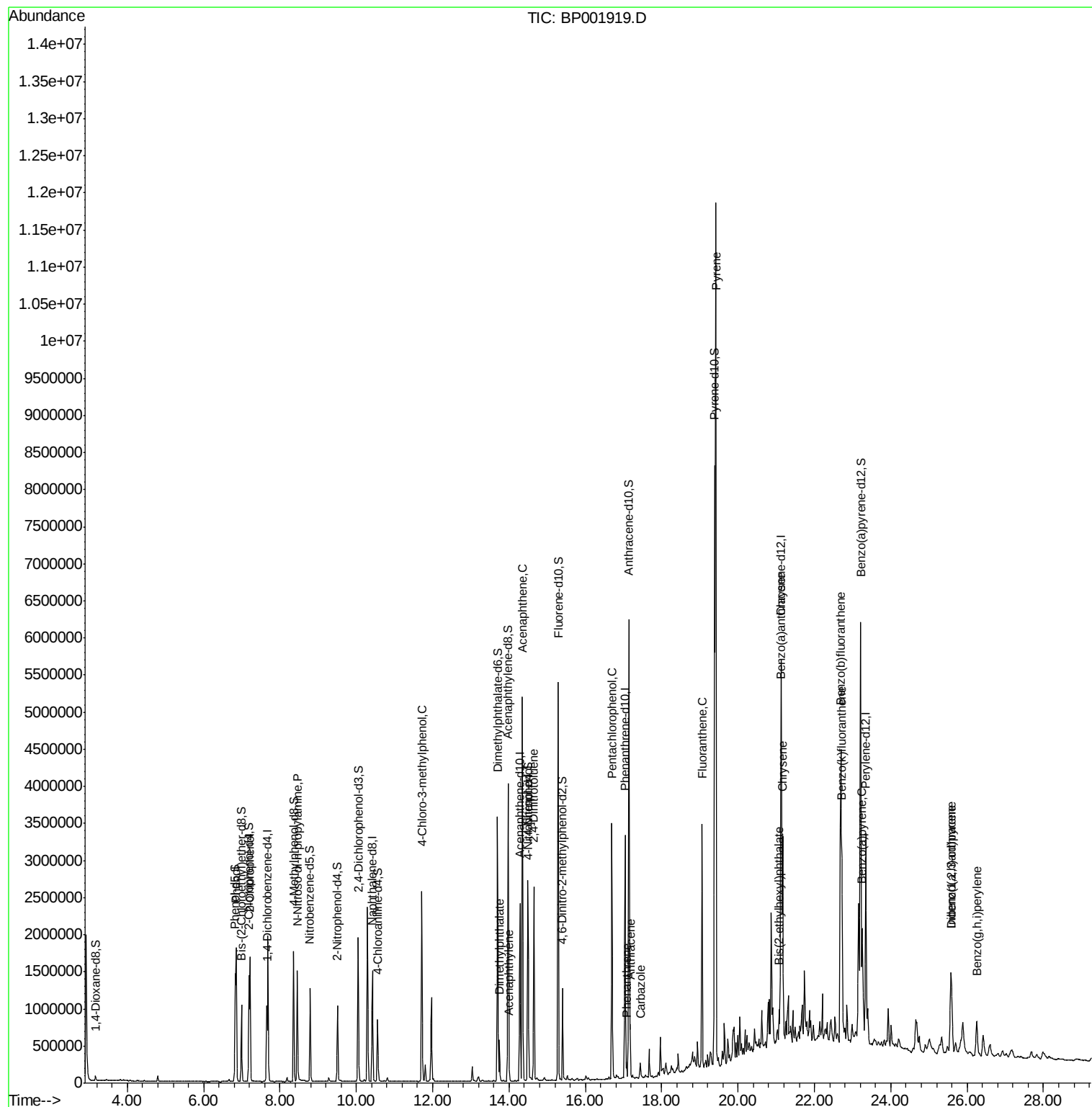
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP022420\
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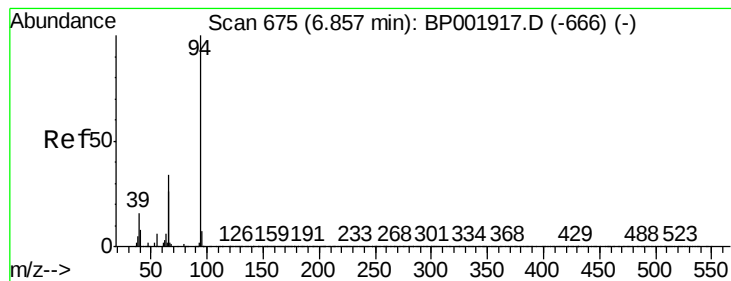
Instrument :
BNA_P
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#6

Phenol

Concen: 42.083 ng/ul

RT: 6.85 min Scan# 674

Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Instrument :

BNA_P

ClientSampleId :

DBD92MS

Tot Ion: 94 Resp: 1018354

Ion Ratio Lower Upper

94 100

65 25.8 19.8 29.6

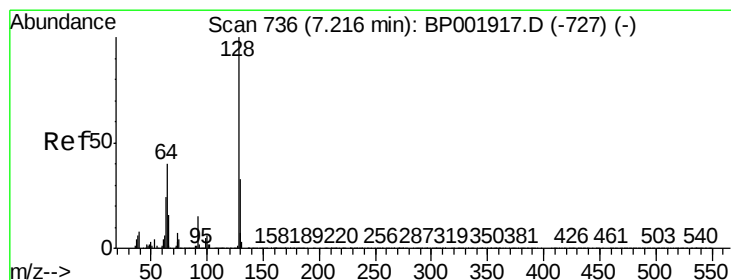
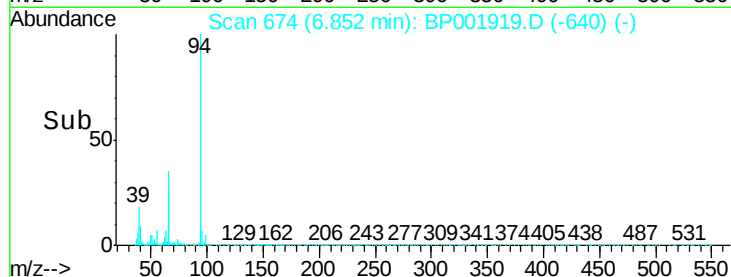
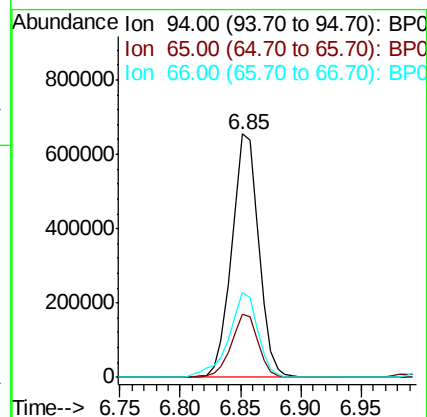
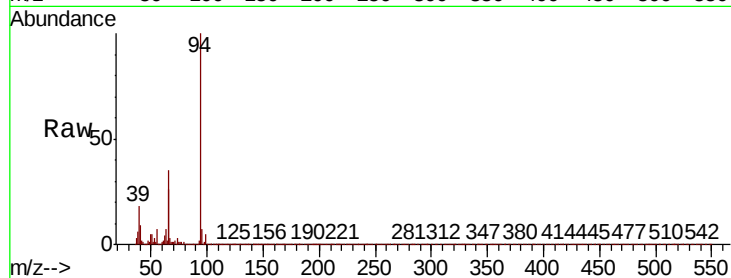
66 34.9 26.6 39.8

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#10

2-Chlorophenol

Concen: 40.913 ng/ul

RT: 7.22 min Scan# 736

Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

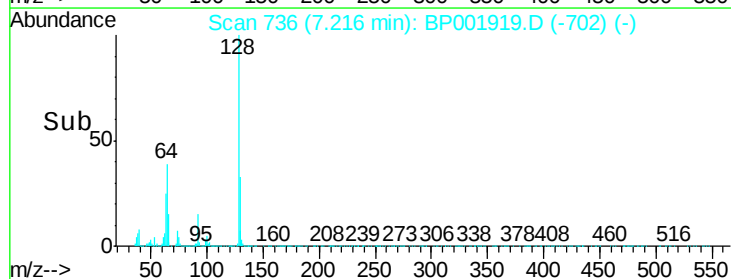
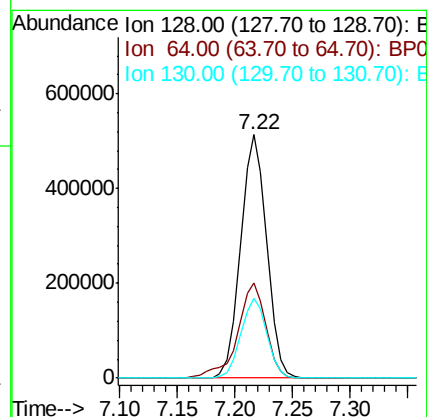
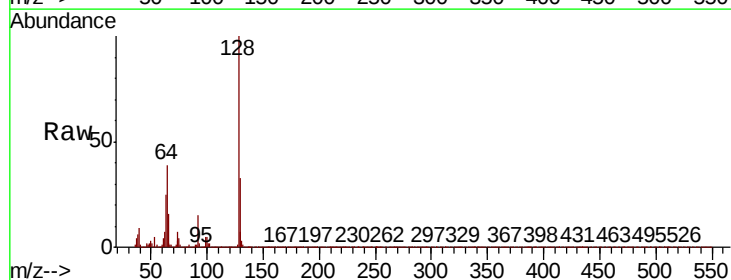
Tgt Ion: 128 Resp: 798678

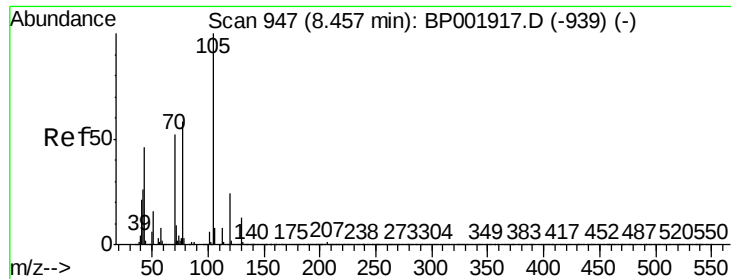
Ion Ratio Lower Upper

128 100

64 38.9 32.9 49.3

130 32.6 26.4 39.6





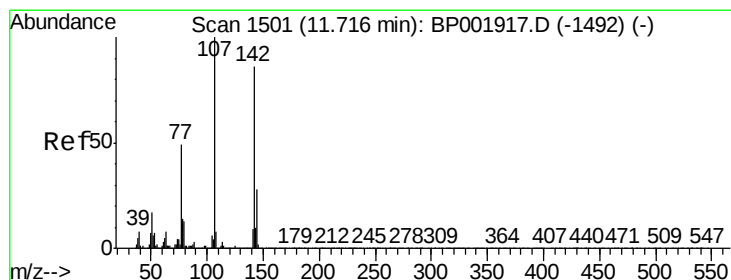
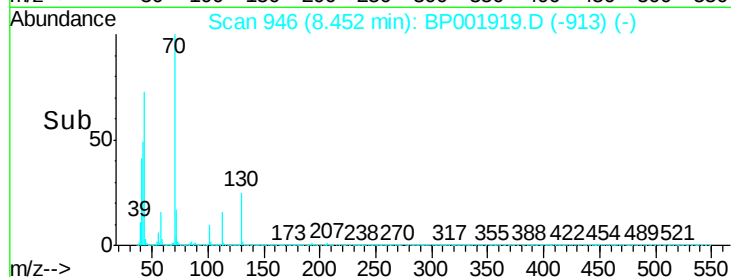
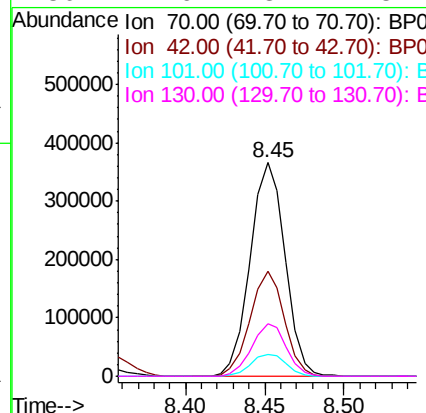
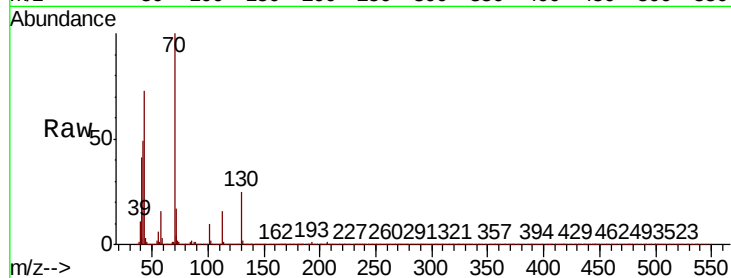
#15
N-Nitroso-di-n-propylamine
Concen: 43.131 ng/ul
RT: 8.45 min Scan# 946
Delta R.T. -0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Instrument :
BNA_P
ClientSampleId :
DBD92MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100				
42	49.2	41.8	62.6		
101	10.3	8.0	12.0		
130	24.6	18.7	28.1		

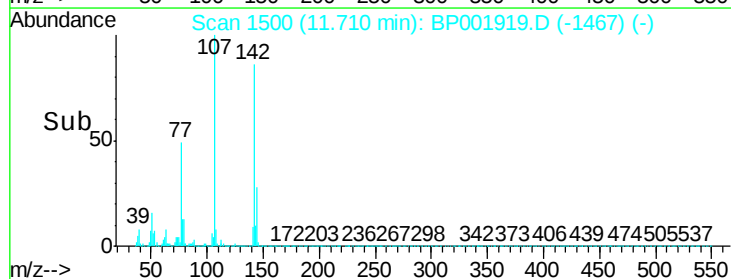
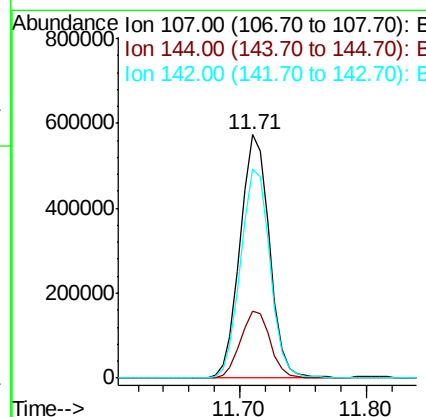
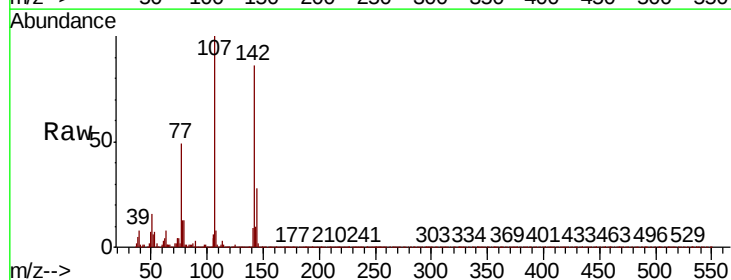
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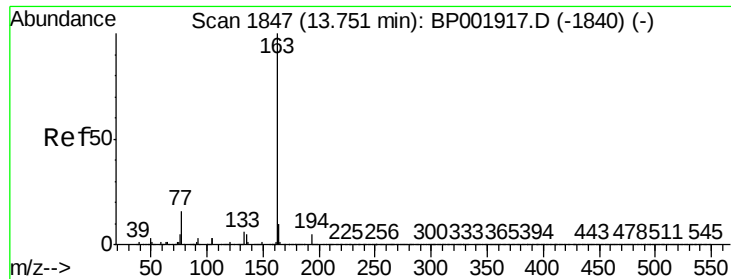
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#33
4-Chloro-3-methylphenol
Concen: 49.457 ng/ul
RT: 11.71 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100				
144	27.7	22.3	33.5		
142	85.9	68.2	102.4		





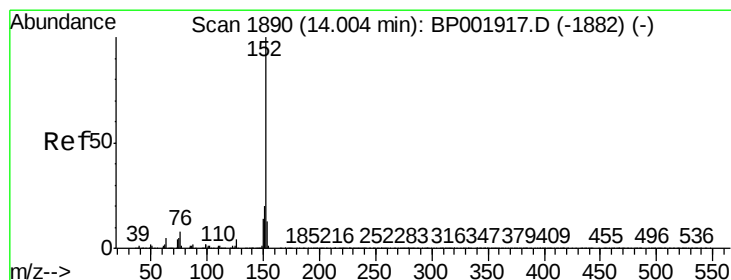
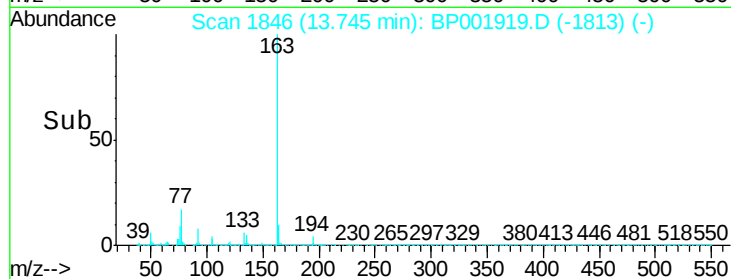
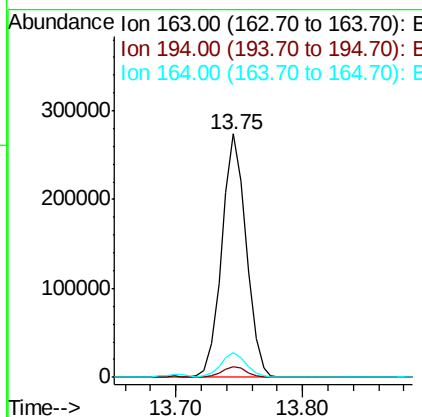
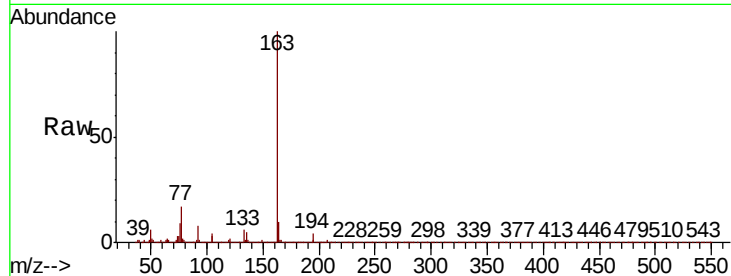
#45
Dimethylphthalate
Concen: 5.814 ng/ul
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Instrument :
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ClientSampleId :
DBD92MS

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.4	8.0	12.0

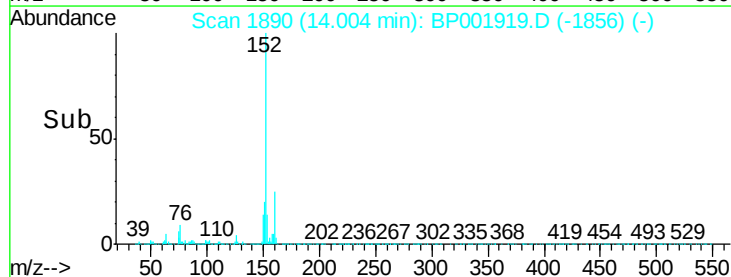
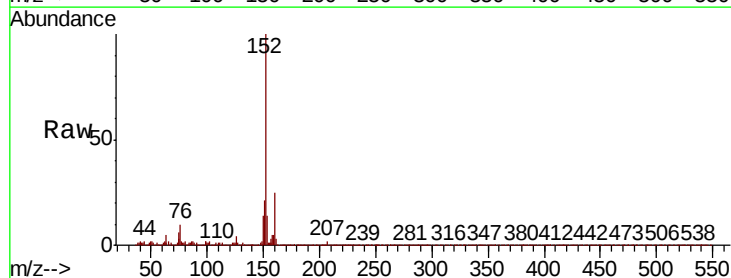
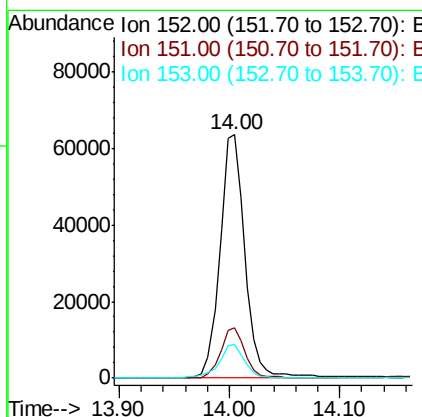
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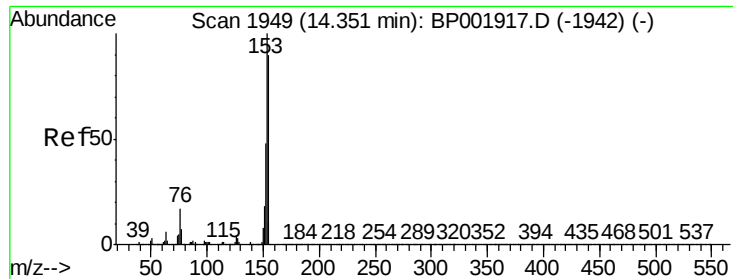
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#48
Acenaphthylene
Concen: 1.255 ng/ul
RT: 14.00 min Scan# 1890
Delta R.T. 0.00 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.7	23.5
153	13.6	10.7	16.1





#50

Acenaphthene

Concen: 39.433 ng/ul

RT: 14.35 min Scan# 1949

Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Instrument :

BNA_P

ClientSampleId :

DBD92MS

Tot Ion:153 Resp: 2142973

Ion Ratio Lower Upper

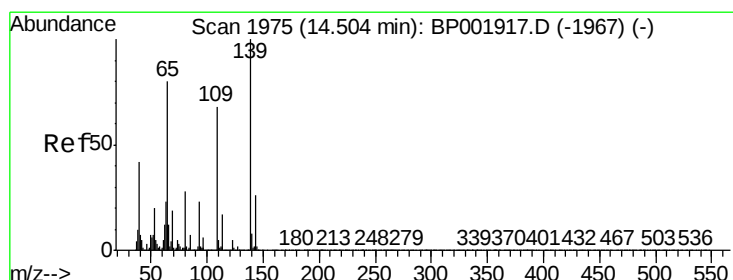
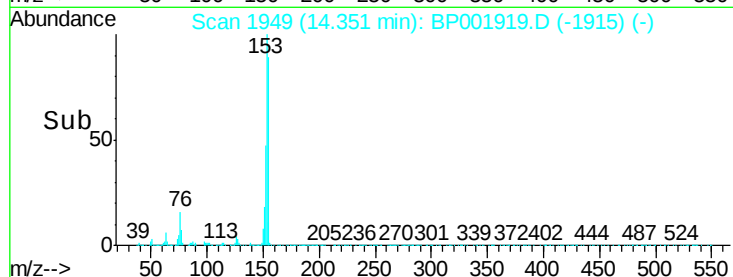
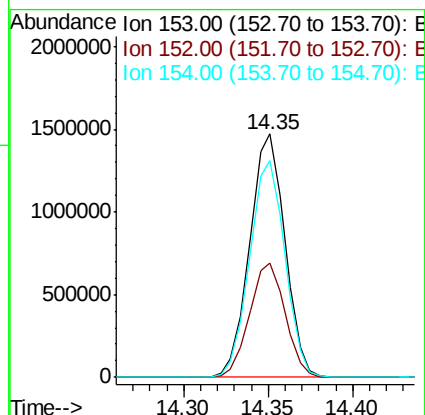
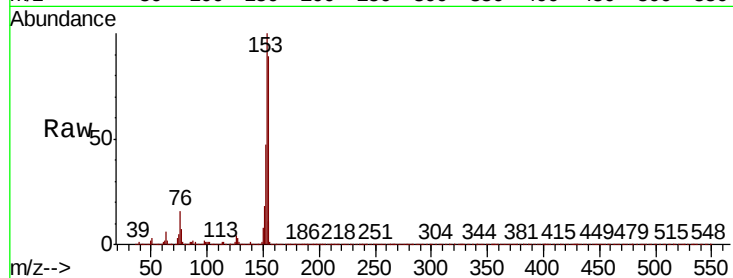
153 100

152 47.1 37.8 56.8

154 88.8 71.9 107.9

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#53

4-Nitrophenol

Concen: 50.523 ng/ul

RT: 14.50 min Scan# 1975

Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

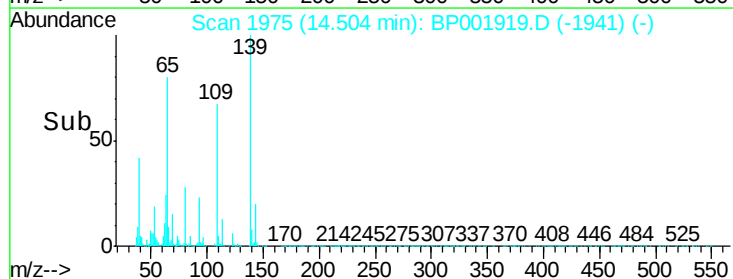
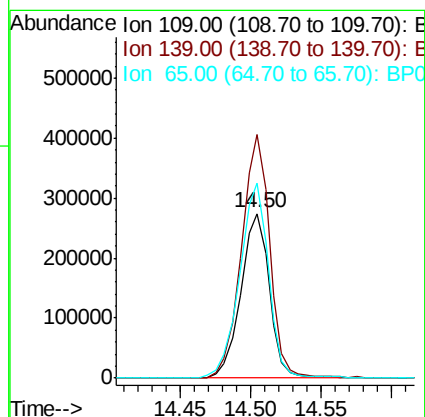
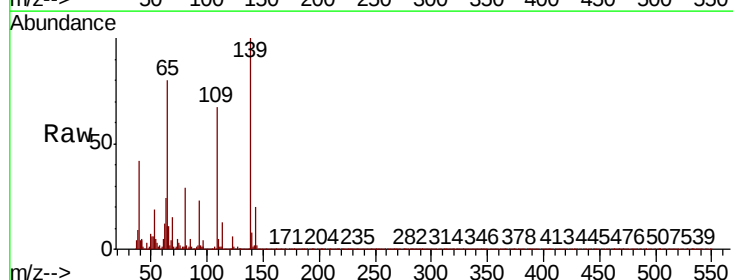
Tgt Ion:109 Resp: 387785

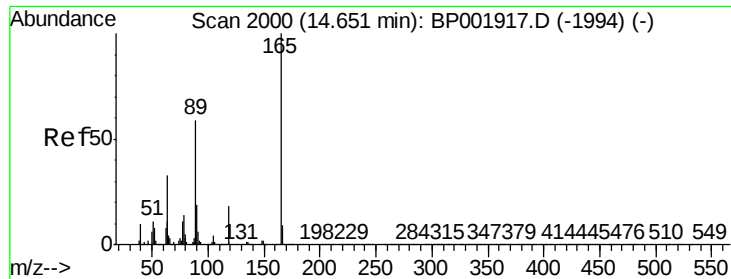
Ion Ratio Lower Upper

109 100

139 148.2 123.1 184.7

65 118.5 105.0 157.6





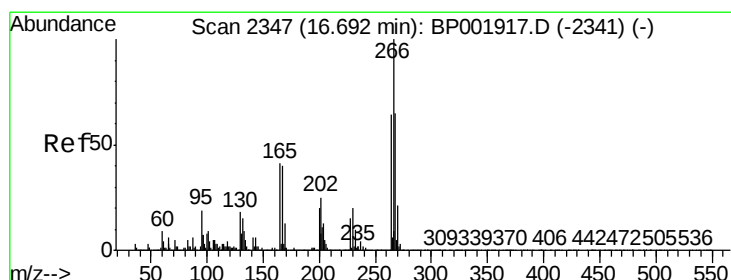
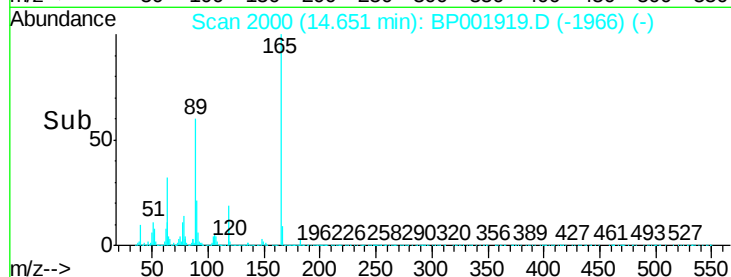
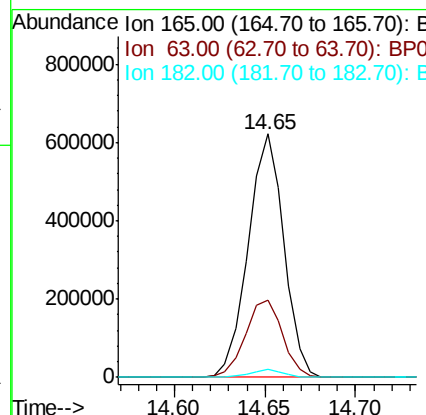
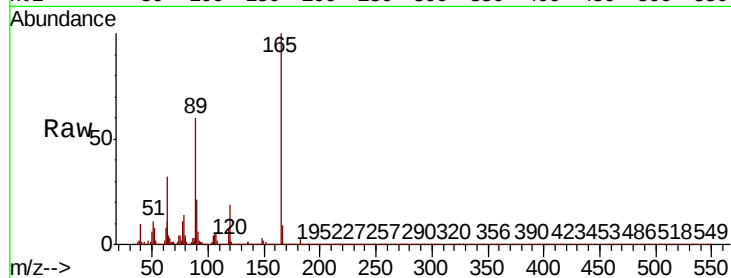
#55
2,4-Dinitrotoluene
Concen: 52.728 ng/ul
RT: 14.65 min Scan# 2000
Delta R.T. 0.00 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

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Tot Ion	Ratio	Lower	Upper
165	100		
63	31.9	31.0	46.6
182	3.1	2.4	3.6

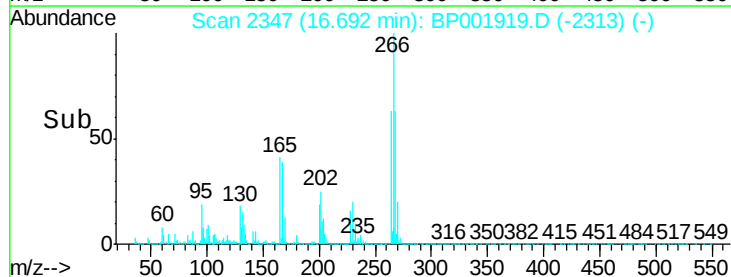
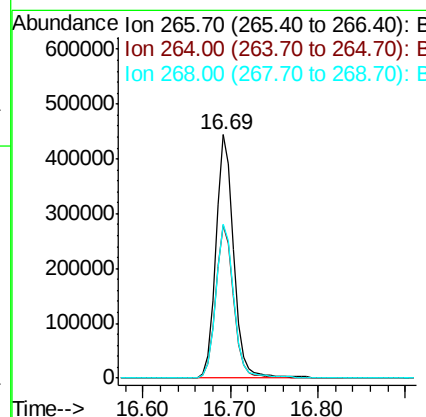
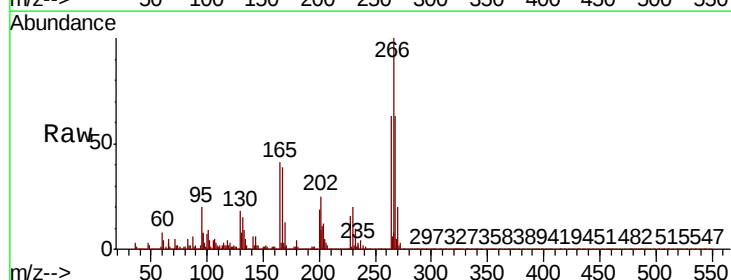
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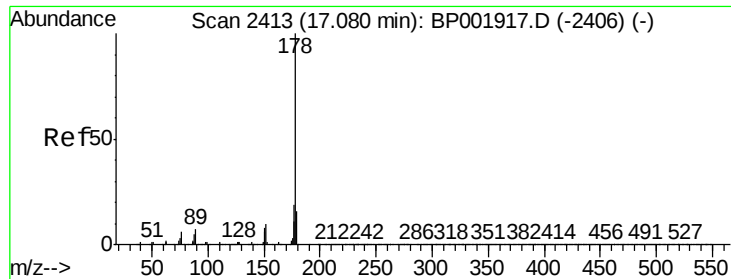
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#69
Pentachlorophenol
Concen: 52.270 ng/ul
RT: 16.69 min Scan# 2347
Delta R.T. 0.00 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.8	51.1	76.7
268	63.3	51.5	77.3





#70

Phenanthrene

Concen: 1.260 ng/ul

RT: 17.08 min Scan# 2413

Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Instrument :

BNA_P

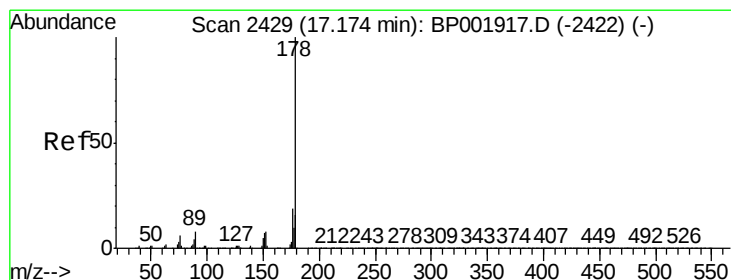
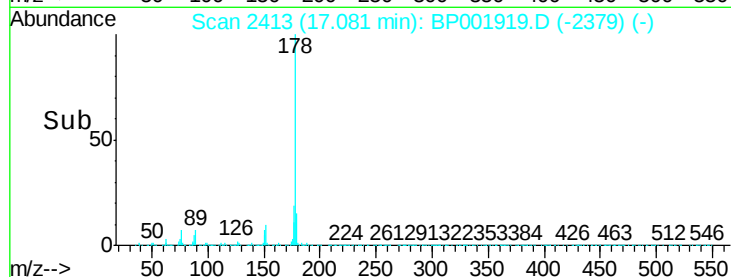
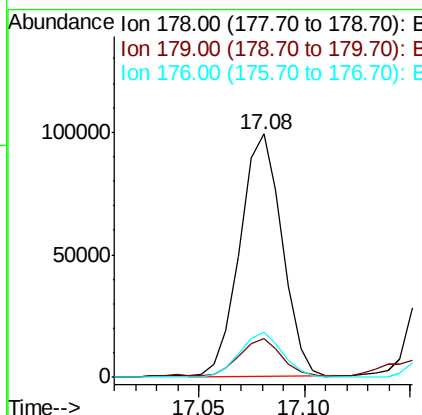
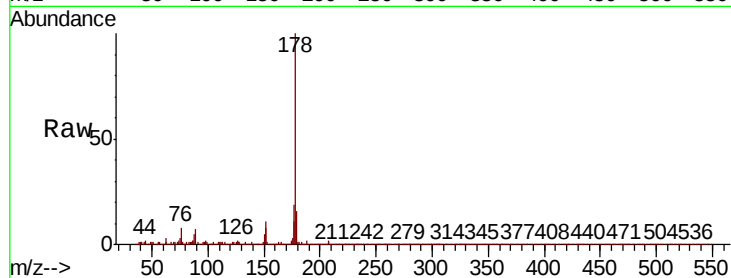
ClientSampleId :

DBD92MS

Tot Ion:178	Resp:	137276
Ion Ratio	Lower	Upper
178	100	
179	15.7	12.3 18.5
176	18.8	15.3 22.9

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#72

Anthracene

Concen: 3.960 ng/ul

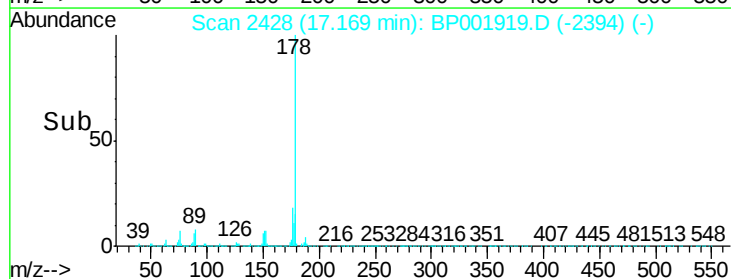
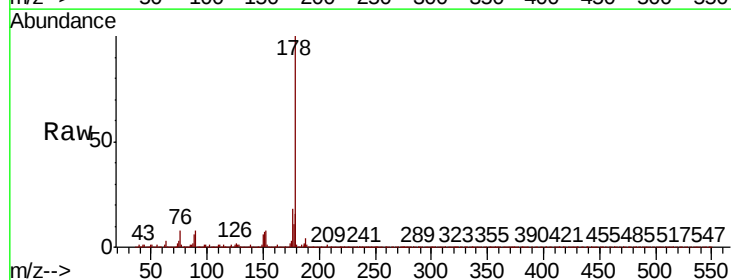
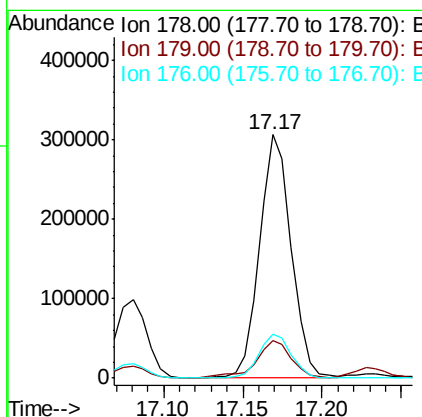
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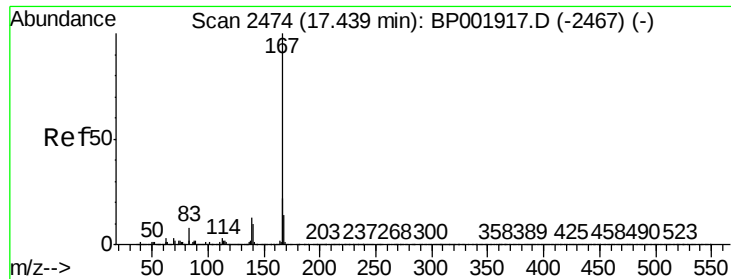
Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Tgt Ion:178	Resp:	426088
Ion Ratio	Lower	Upper
178	100	
179	15.5	12.4 18.6
176	18.1	14.8 22.2





#75

Carbazole

Concen: 1.496 ng/ul

RT: 17.44 min Scan# 2474

Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Instrument :

BNA_P

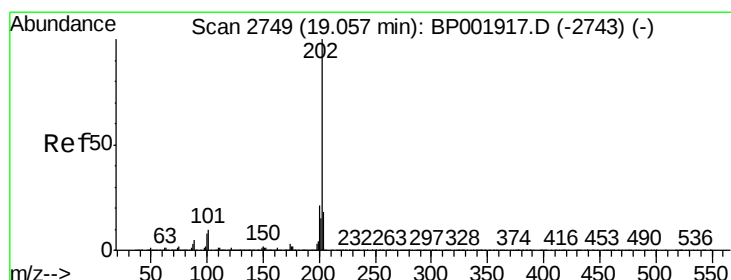
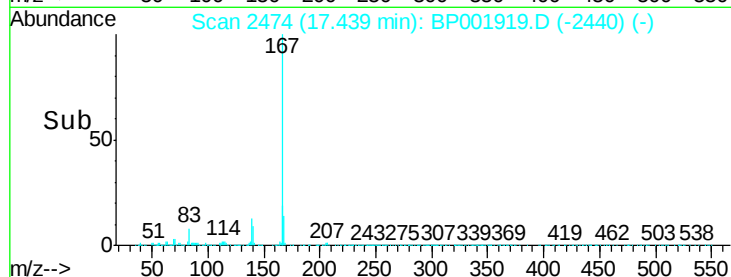
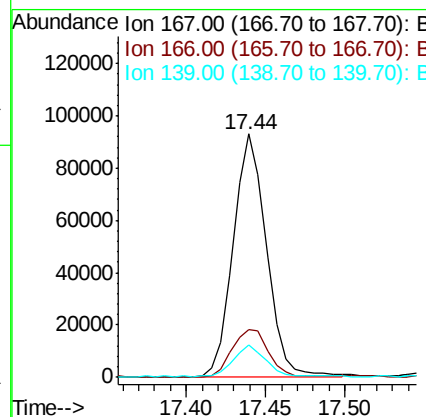
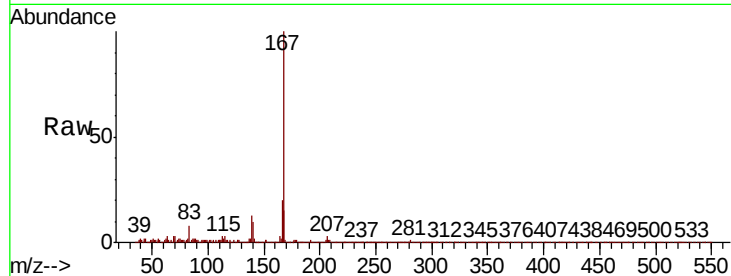
ClientSampleId :

DBD92MS

Tot Ion:	167	Resp:	134218
Ion Ratio	Lower	Upper	
167	100		
166	19.6	17.1	25.7
139	13.2	10.2	15.2

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#77

Fluoranthene

Concen: 16.425 ng/ul

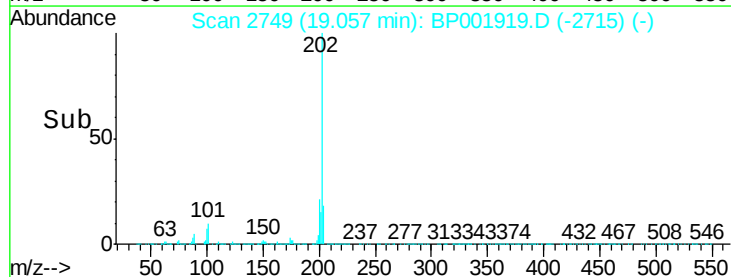
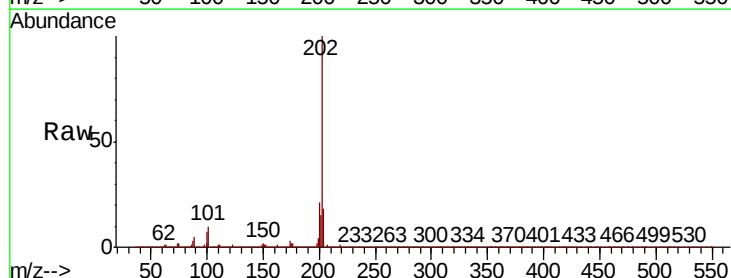
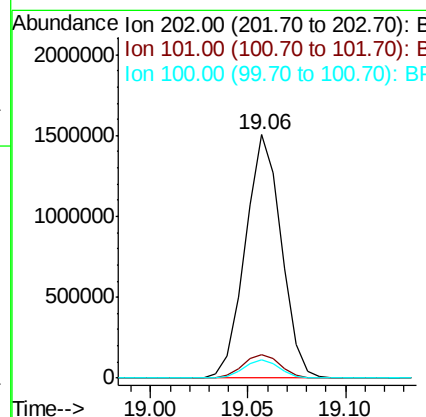
RT: 19.06 min Scan# 2749

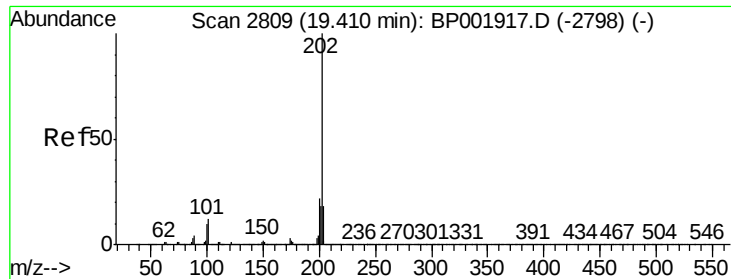
Delta R.T. 0.00 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Tgt Ion:	202	Resp:	1916055
Ion Ratio	Lower	Upper	
202	100		
101	9.7	9.1	13.7
100	7.5	6.6	9.8





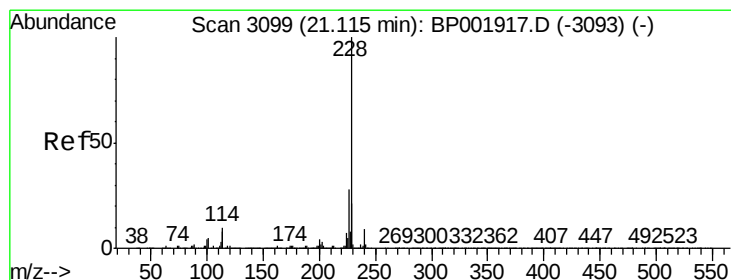
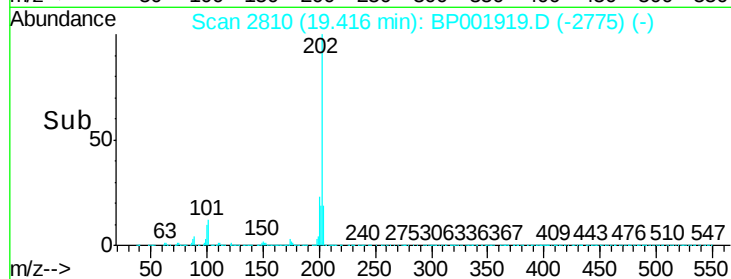
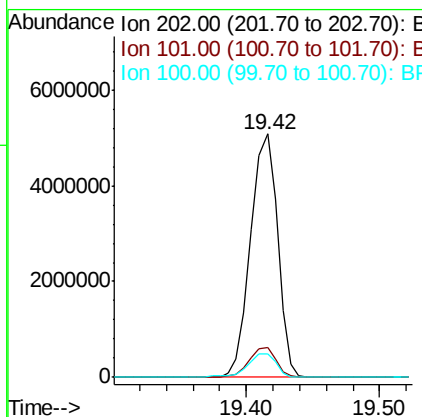
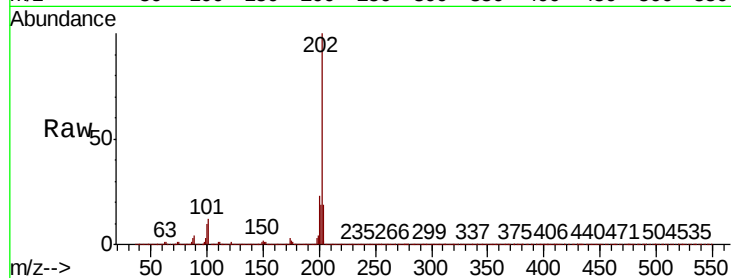
#80
Pvrene
Concen: 51.349 ng/ul
RT: 19.42 min Scan# 2810
Delta R.T. 0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Instrument :
BNA_P
ClientSampleId :
DBD92MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.1	10.2	15.2
100	9.9	8.2	12.2

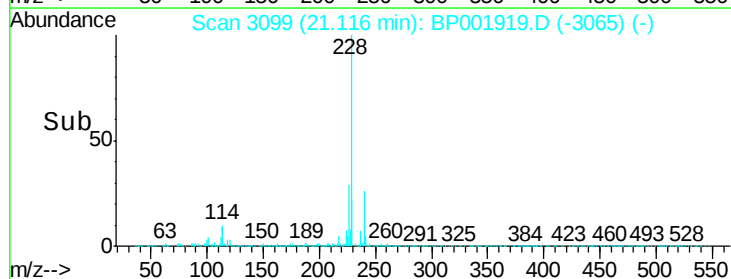
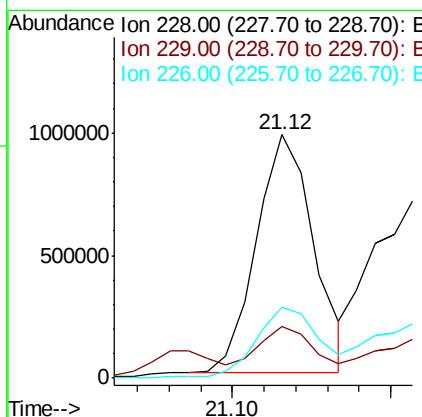
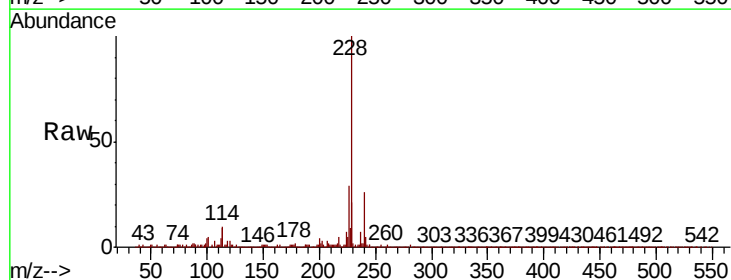
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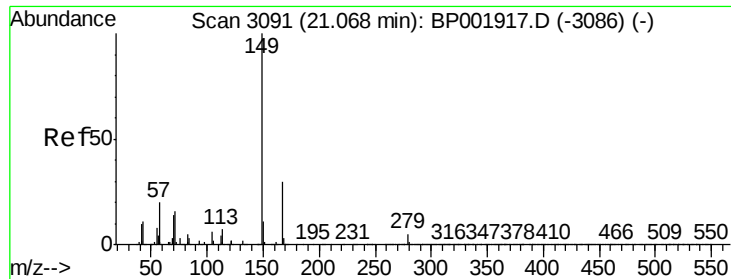
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#83
Benzo(a)anthracene
Concen: 9.129 ng/ul
RT: 21.12 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	16.2	24.4
226	29.3	22.0	33.0





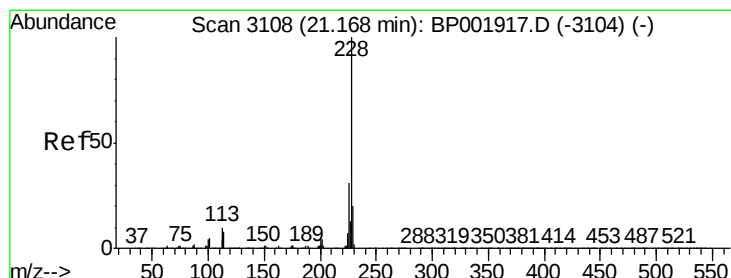
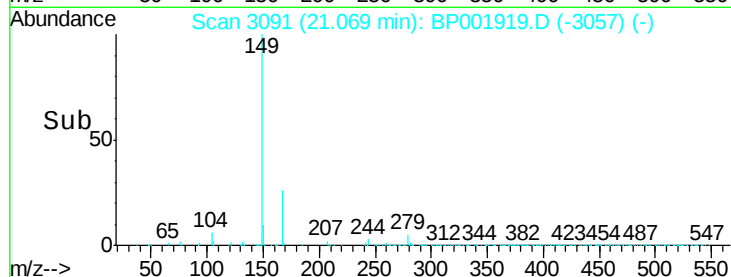
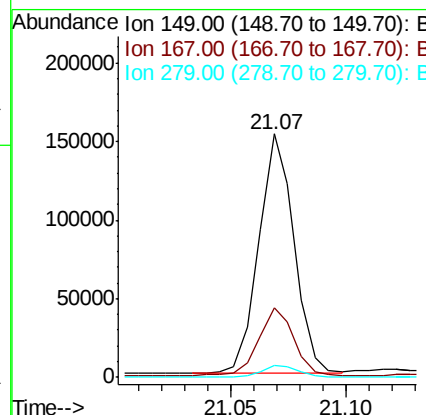
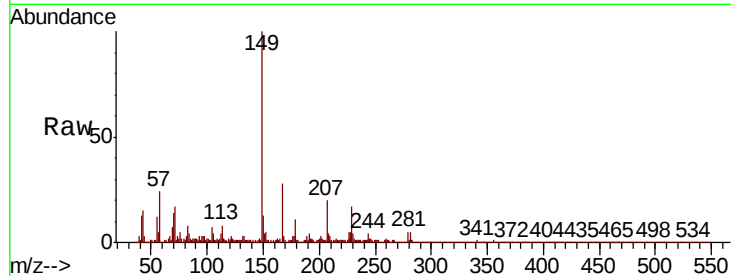
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.288 ng/ul
 RT: 21.07 min Scan# 3091
 Delta R.T. 0.00 min
 Lab File: BP001919.D
 Acq: 26 Feb 2020 09:51

Instrument :
 BNA_P
 ClientSampleId :
 DBD92MS

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.6	34.0
279	4.9	3.6	5.4

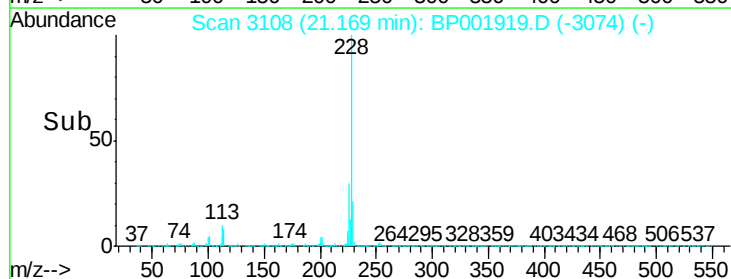
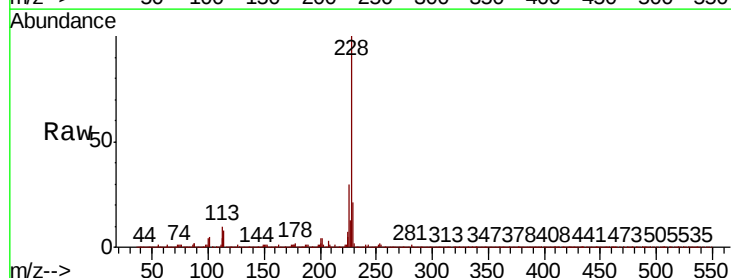
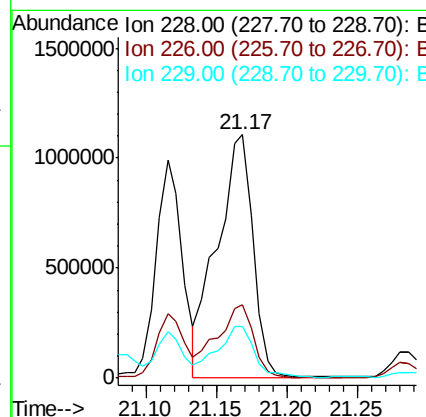
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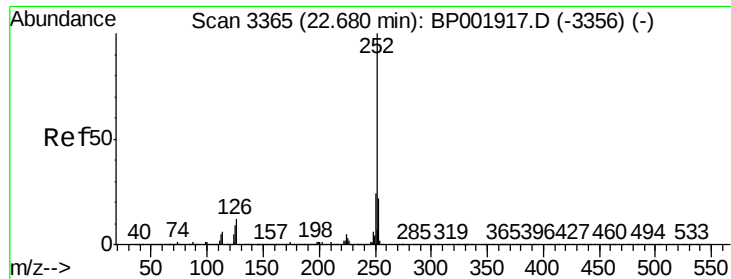
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#85
 Chrysene
 Concen: 14.885 ng/ul
 RT: 21.17 min Scan# 3108
 Delta R.T. 0.00 min
 Lab File: BP001919.D
 Acq: 26 Feb 2020 09:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	21.3	15.7	23.5





#88

Benzo(b)fluoranthene

Concen: 29.423 ng/ul

RT: 22.69 min Scan# 3366

Delta R.T. 0.01 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

Instrument :

BNA_P

ClientSampleId :

DBD92MS

Tot Ion:252 Resp: 3462463

Ion Ratio Lower Upper

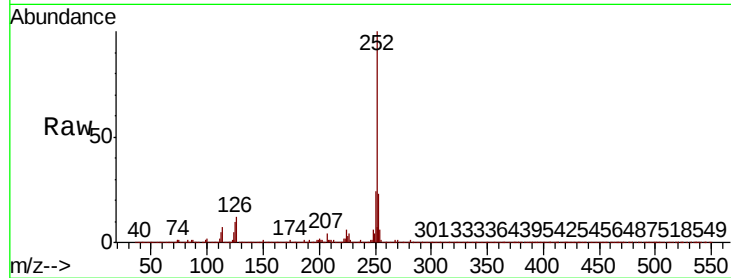
252 100

253 22.7 17.7 26.5

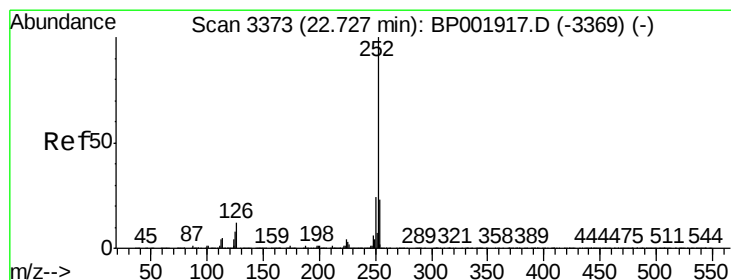
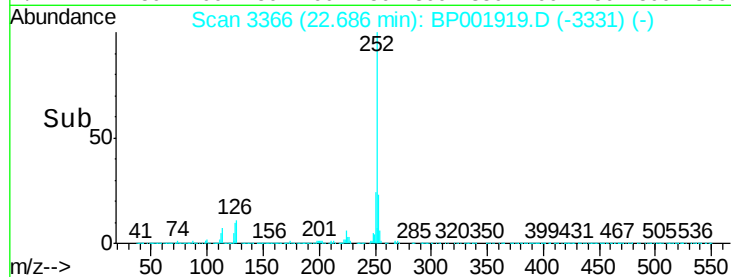
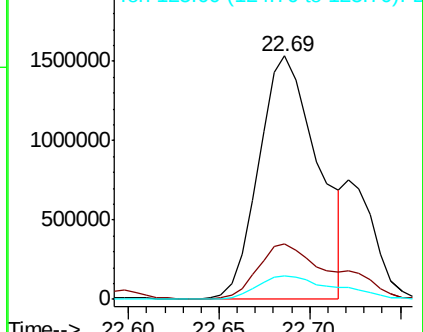
125 9.9 7.8 11.6

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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 6.948 ng/ul m

RT: 22.72 min Scan# 3372

Delta R.T. -0.01 min

Lab File: BP001919.D

Acq: 26 Feb 2020 09:51

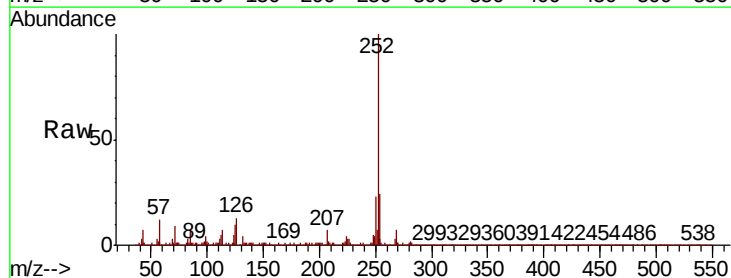
Tgt Ion:252 Resp: 847499

Ion Ratio Lower Upper

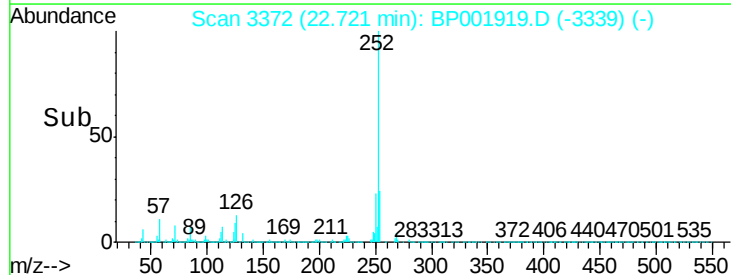
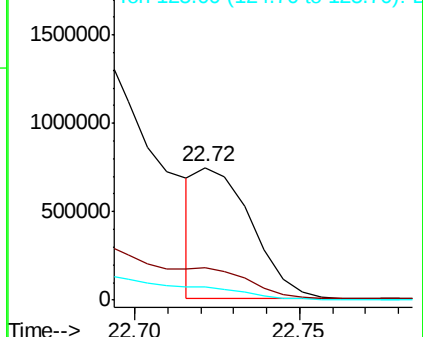
252 100

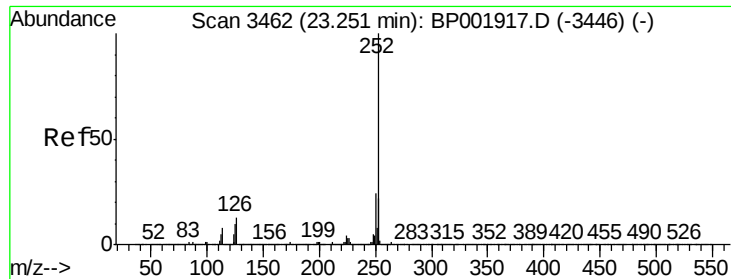
253 24.2 17.8 26.6

125 9.9 8.0 12.0



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





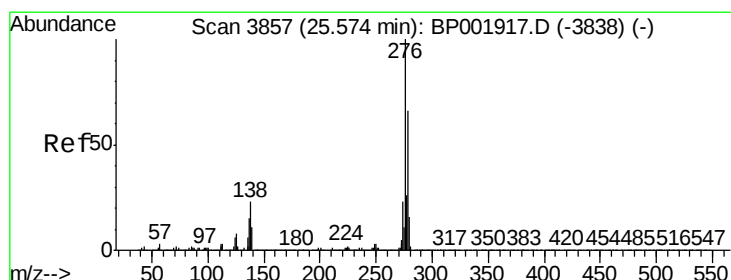
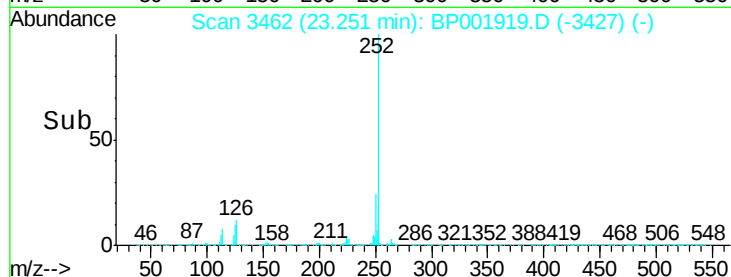
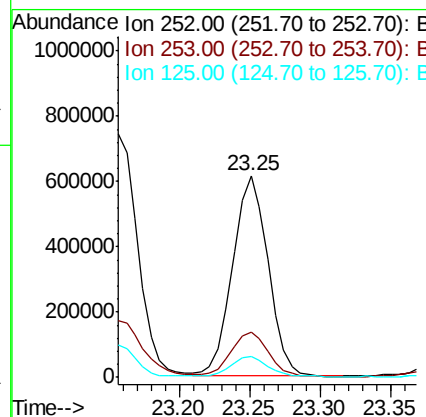
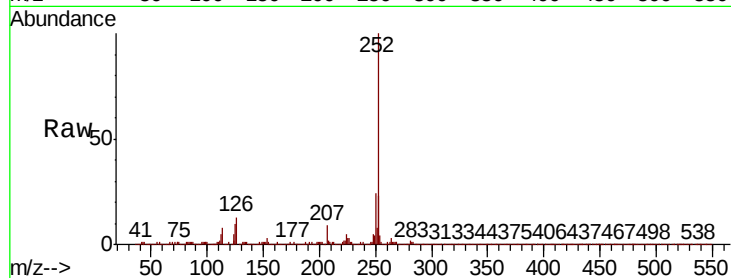
#91
Benzo(a)pyrene
Concen: 9.779 ng/ul
RT: 23.25 min Scan# 3462
Delta R.T. 0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Instrument :
BNA_P
ClientSampleId :
DBD92MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	10.5	8.3	12.5

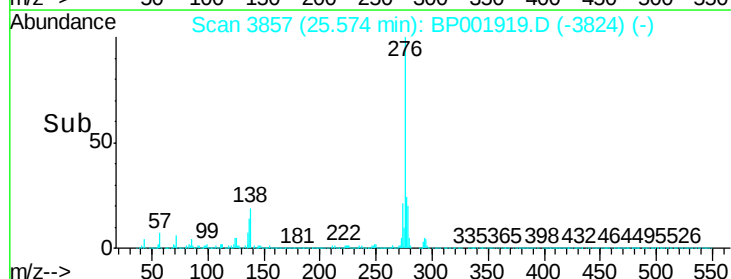
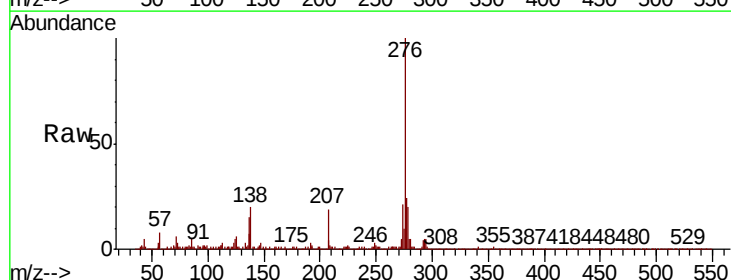
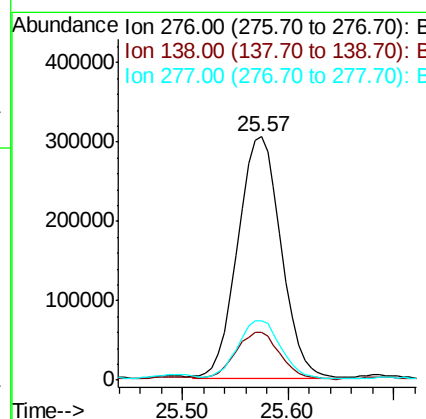
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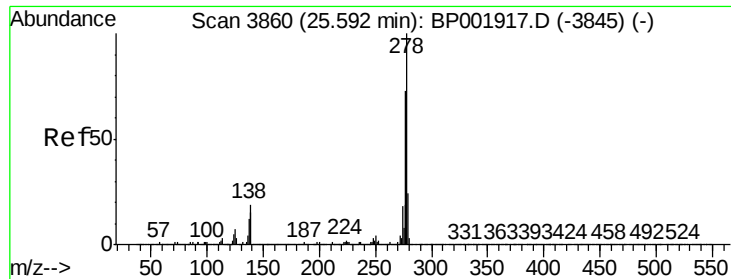
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#92
Indeno(1,2,3-cd)pyrene
Concen: 6.302 ng/ul
RT: 25.57 min Scan# 3857
Delta R.T. -0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	19.3	28.9
277	24.4	20.0	30.0





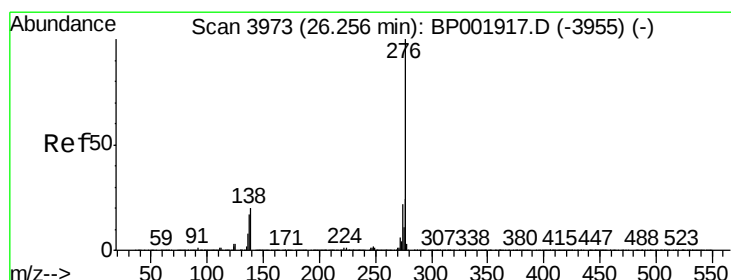
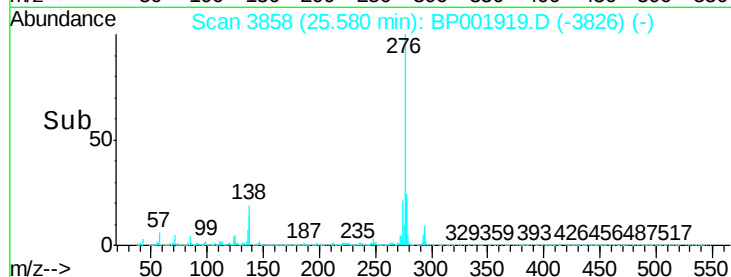
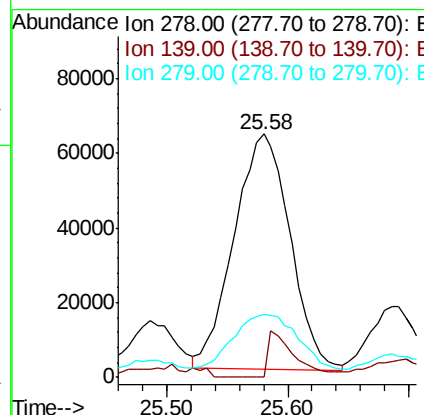
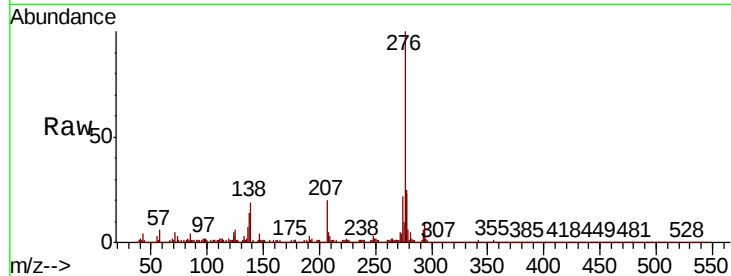
#93
Dibenzo(a,h)anthracene
Concen: 1.756 ng/ul
RT: 25.58 min Scan# 3858
Delta R.T. -0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Instrument :
BNA_P
ClientSampleId :
DBD92MS

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.3	19.9#
279	25.9	19.3	28.9

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#94
Benzo(g,h,i)perylene
Concen: 4.658 ng/ul
RT: 26.25 min Scan# 3972
Delta R.T. -0.01 min
Lab File: BP001919.D
Acq: 26 Feb 2020 09:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	17.7	26.5
277	23.0	18.8	28.2

